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Table 4
Single Exon Probes Expressed in Placenta

Apiecoca in Fraction	Top Hit Descriptor	Homo sepiens hypothetical protein FLJ20041 (FLJ20041), mRNA	Homo sapiens hypothetical protein FL/20041 (FL/20041), mixNA	Homo saplens partial mRNA for PEX5 related protein	Homo sepiens partial mRNA for PEX5 related protein	Nuttible science associated retrovirus polyprotein (pol) mRNA, partial cds	III.HF.BNO.8Ict-0-07-0-UI.r1 NIH MGC 50 Hamp seplens dDNA done IMAGE:3078348 57	PASSAGE 31 NOT CRAP 1 1/24 Home saciens CONA clone IMAGE:3039062 3' similar to TR:000246 000246	HYPOTHETICAL 9.3 KD PROTEIN;	he33d06.x1 NCI_CGAP_Kid12 Homo sapiens cDNA clone IMAGE.26/0489 3 similar to contains Trinus	THR repetitive element;	EST11348 Uterus Homo septents CLANA of ena	601309465F1 NIH MGC 44 from saprais CONA data involved 5	7445948FT NIH MASC GO HOMO SEPRENS CLIVA CHARLES IN CHICAGO ST. SIMILER IN TR-015475 01547	#34607.XI NCI_CGAP_OV23 HOMO SEPTENS CLAVA CATTE TIMAGEZZO1613 CHITTER TO THE COLORS TIME TO THE COLORS TO THE	100 CAN DO CAN DOWN CONTROL MACE CONTROL OF STREET TO TRIO15476 015476	TISABOLYXI NOLL COMPLEXION REGIONS CONTROLLED TO THE CONTROLLED TH	Homo saplens putative protein O-mannosytransferase (POMT2), mRNA	Home sapiens putative protein O-marinosyttransterase (P-OM I.2), minus	Homo sapiens DHHC1 protein (LOC51304), mRNA	801346704F1 NIH IMGC 8 Homo expens curva cidre invace. Social 3	Homo sapiens MADS box transcription eminance ractor 4 polypoplute in (111) Cyto minimum (127) [11] [11] [11] [11] [11] [11] [11] [11	ULHF-BN0-alt-g-10-0-UI.r1 NIH_MGC_50 Hamo sapiens cDNA clane IMAGE:3079887 5	UHHF-BN0-ali-g-10-0-UI.n NIH_MGC_50 Homo saplens cDNA clone IMAGE:3079867 5	801309465F1 NIH MGC 44 Homo sapiens cDNA clone IMAGE:3631000 67	AU130689 NT2RP3 Hamo sepiens aDNA dane NT2RP3001263 5"	TCAAP1E1219 Pediatric acuts myelogenous loukemia cell (FAB M1) Baylor-HGSC project=TCAA Homo	saplens dDNA clone TCAAP1219	TCAAP1E1219 Pediatric acute myelogenous leukemia cell (FAB M1) baylor-ricks's project-ricky more project-ricky more control of the transfer of the control o	Low society champling MIP-2 gentral (MIP-2 gentral) mRNA, complete cds	inchip copieda profession in rechettas non-measure trop 21 (PTPN21), mRNA	Home separate procedure prosperations, ten rooper type 1.7	Torio Baltara in Manuachan and Anna and
Silve Exoli Liona elille	Top Hit Database Source						T LII IMANI	Т	EST_HUMAN H	<u>د</u>	П	7	$\neg$	EST_HUMAN B	P NAME I FOR	Т	EST_HUMAN L				EST HUMAN		T HUMAN	Т	Т	Т	Т	EST_HUMAN	Г	ESI HUMAN			
affile	Top Hit Acession No.	11424084 NT	11424084 NT	A.1245503.1	5503 1	Ī	T	1.0E-5/ AW 903208.1	1.0E-57 BE043031.1							8.0E-58 AI/983/6.1	8.0E-58 AI798378.1	34921	11434921 NT	7706132 NT	7.0E-58 BE361971.1	TIA (2,2,2,2)	7.0E-58 51/43-42	7.05-50 AWE04100 4	AV 304 105.1	0.0E-60 DE350001.1	100000	6.0E-58 BE242150.1		6.0E-58 BE242150.1	6.0E-58 AF106911.1	11434746 NT	11526291 NI
	Most Similar Top) Hit BLASTE	2.0E-57	20E-67	2 OF-57 A	205-57	201 01 102	20E-0/	1.05-5/	1.0E-57		1.0E-57	9.0€-58 /	9.0E-68	8.0E-58	-	8.0E-58	8.0E-58	8.0E-58	8.0E-58	8.0E-58	7.0E-58		7.05-58	100.0	0070.7	0.0E-00 DE-	Q.UE.CO	6.0E-58		6.0E-58	8.0E-58	8.0E-58	6.0E-58
	Expression Signal	1.55	1 55	2	32,	2	2.69	1.89	1.87	-	11.29	0.83	1,94	1.08	,	424	424	24	24	2.78	930		40.4	707	57	3 5	620	101		1.01	0.98	1.27	1.22
	ORF SEQ ID NO:	38284	38282	38327	17000	36328	31684	28569				32288	31990			26886	78887		L		33930					_}	28706	20163				37163	
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Single Exoli Plotes Explessed III Flaverka	Top Hit Descriptor	Homo sapiens synaptojanin 1 (SYNJ1), mRNA	RC4-NT0057-160600-016-b05 NT0057 Homo sepiens cDNA	CM3-UM0043-240300-127-e07 UM0043 Homo sapiens cDNA	CM3-UM0043-240300-127-e07 UM0043 Homo septens cONA	CMS-UM0043-240300-127-e07 UM0043 Homo sepiens cUNA	CM3-UM0043-240300-127-607 UM0043 Homo sapiens cDNA	cr98e07.st-NCL CGAP_LL5 Hamo saplens cDNA cione IMAGE:1603908 3	ts89-07x1 NCI_CGAP_GC8 Homo sapiens cDNA clone MAGE-2238468 3' similier to SW 3-1402_ACACA P18984 PROFILIN II ;	Homo saplens placenta-specific 1 (PLAC1), mRNA	ym51h07.r1 Scares Infant brain 1NIB Homo sepiens cDNA clone IMAGE:52071 5	Homo saplens chromosome 21 segment HS210085	Homo saptens apical protein, Xenopus lacvis-like (APXL), mRNA	Homo saplens nibrin (NBS) mRNA, complete cds	Homo sapiens nibrin (NBS) mRNA, complete cds	Homo sapiens holocytochrome c synthase (cytochrome c heme-lyase) (HCCS) mRNA	Homo sapiens hypothetical protein FLJ10826 (FLJ10828), mRNA	Homo sapiens mRNA for KIAA1617 protein, partial cds	Homo septens pre-mRNA splicing factor similar to S. cerevisiae Prp18 (PRP18), mRNA	Homo sapiens chromosome 21 segment HS21C018	Homo capiens mRNA for KIAA0611 protein, partial cds	Homo sapiens mRNA for KIAA0611 protein, partial cots	Homo septens cat eye syndrome chromosome region, candidate 1 (CECK1), mYNA	Homo saplens acetyl-Coenzyme A carboxylase alpha (ACACA), mKNA	Homo sapiens ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity confering protein) (ATP5O) mRNA	Homo septems interteutin 10 receptor, beta (IL10RB), mRNA	Homo sepiens coagulation factor IX (plasma thromboplastic component, Christmas disease, hemophilia B)	(F9) mRNA	Human beta-prinne-adaptin (BAM22) gene, exon 3	Human mRNA, Xq terminal portion	Homo sapiens EGF-tite repeats and discoldin Hitle domains 3 (EUILS), miXNA	hy18a02x1 NCI CGAP GCB Homo sapiens CUNA done IMAGE 318/0423	Homo septems ETIP-contrat-essociated protein o (ETIP-AT-0), involved
EXOII PIODES	Top Hit Database Source		T_HUMAN	EST HUMAN C		EST_HUMAN C		EST HUMAN	T_HUMAN		THUMAN	H			H						H IN	H			1						7	57.1 EST_HUMAN IN	7
Single	Top Hit Acession No.	4507334 NT	3984.1	97948.1	797948.1	797848.1	97948.1	38183.1	6745.1	11496282	572.1	5.0E-58 AL163285.2	11330	51334.1	51334.1	4885400 NT	TN 8922698	8	11430847 NT	3218.2	5.0E-58 AB014511.1	14511.1	11526293 NT	11426423 NT	TN 202302	4504634 NT		4503648 NT		4.0E-58 D16470.1	5031660 NT	4.0E-58 BE463857.1	11424059
	Most Similer (Top) Hit BLAST E Vertue	5.0E-58	5.0E-58 BE76	6.0E-58 AW	6.0E-58 AW	5.0E-58 AW	5.0E-58 AW	5.0E-58 AAS	5.0E-58 AI63	5.0E-58	5.0E-58 HZ3	5.0E-58	6.0E-58	5.0E-58 AFC	5.0E-58	5.0E-58	5.0E-58	5.0E-58 ABO4	5.0E-58	5.0E-58	5.0E-58	5.0E-58 AB0	5.0E-58	5.0E-58	4.05.58	4.0E-58		4.0E-58	4.0E-58	4.0E-58	4.0E-58	4.0E-58	4.0E-58
	Expression Signal	3.08	96.9	2.9	2.9	2	2	€O.4	88.0	म्ब	6.55	0.79	50.1	9.0	9'0	0.7A	80.6	99.0	96'0	1.8	0.65	0.65	4.5	1.47	121	187		1.24	212	1.41	1	0.68	7.4
	ORF SEQ ID NO:	28560	26950	27442	27443	27442	27443	29685	30496		32834	33063	33148	33665	33866	33788	34759	35167	36701			37255			26677	1		27731		29587			38386
	Broan SEQ ID NO:	13527	13910	4382	14382	14382	14382	16570	17516	18838	19479	18689	19760	20232	20232	20338	21238	21629	23099	23363	23646	23646	26065	26102	ii	1.		14649		<u> </u>	1	Ιİ	24675
	Probe SEQ ID NO:	311	82,	1221	1221	1222	1222	3400	5754	5748	6307	6524	88	6917	6917	7255	8156	8648	19861	10328	10812	10612	12362	12850	367	5 2	3	1498	2836	3402	3834	7895	11624

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Single Lives the possibility of	ORF SEQ Expression (Top) Hit Top Hit Accession Database ID NO: Signal BLASTE No. Source	0.96 3.0E-58 R17879.1 EST HUMAN	1758981 A T S 1 A T S	20435 3.07 3.0E-58 BF569848.1 EST HUMAN	20438 3 0F FR BESGRAR 1 EST HUMAN	325-58 BE089509.1 EST HUMAN	22415 11 3.0E-58 F07058.1 EST HUMAN	23220 2.40 3.0E-58 AV712977.1   EST HUMAN	27197 12.47 2.0E-68 AF068624.1 NT		RIBOSOMAL PROTEIN L6 (HUMAN); db.X81987 M.musculius mKNA for 1 AX responsive element binding	7.88 2.0E-58 BE208532.1 EST HUMAN	31630 0.94 2.0E-58 AW 074831.1 EST_HUMAN	31652 2.63 2.0E-58 BE907188.1 EST_HUMAN	31685 2.53 2.0E-58 BE907188.1 EST_HUMAN	32706 1.7 2.0E-58 BF513488.1 EST_HUMAN		32769 2.16 2.0E-58 A1124874.1 EST_HUMAN	32806 0.83 2.0E-68 R82587.1 EST_HUMAN	33533 0.83 2.0E-58 AI291407.1 EST_HUMAN	33848 2.79 2.0E-58 AF134838.1	33849 2.79 2.0E-58 AF134838.1 NT	37692 16.04 2.0E-58 BF307745.1 EST HUMAN	1.1 EST_HUMAN	13922 26962 1.06 1.0E-58 M65134.1 NT Human companient component Communication of the communic	1.33 1.0E-68 6274549 NT Homo sepiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9 (22kD, B22) (NDUFB9), mRNA	27586 1.12 1.0E-58 AW957182.1 EST HUMAN	27687 1.12 1.0E-58 AW957182.1 EST_HUMAN	27654 2.8 1.0E-68 A.238093.1	1.28 1.0E-58 BE466132.1 EST_HUMAN	1.01 1.0E-58 AF217514.1 NT	29087 1.14 1.0E-58 4759169 NT	6174444 NT
	ORF SEQ ID NO:													1		L	<u> </u>	_										L					
	Exam SEQ ID NO:	42558	1	145/4	1	1			1	1		14474	L	1	1	L	Í	10423	L	1.	_			<u> </u>		<u> </u>	L	<u> </u>	L	<u>L</u>	1		1 1
	Probe SEQ ID NO:	245	\$   3	1420		37,45		B	0/10	\$		1318	6461	27.23	57.73	6182		6240	6283	7086	7307	7307	10979	11207	740	1003	1358	1358	1427	1697	2719	2863	2882

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	Top Hit Descriptor	Homo sapiens chandratin sulfate proteogrivan 2 (versican) (CSPG2) mRNA	Homo sapiens chondratin sulfate proteogrycan 2 (versican) (CSPC22) mixiva	Homo seplens transition protein 1 (during historie to proteimne representant) (TNFT) missely	ozashot x1 Soeres, NnHMPu_St Homo septens cONA cone IMAGE:1678129 3	RC1-BT0254-290100-015-e01 BT0254 Homo septens CDNA	Homo septens hypothetical protein (LOC51260), mRNA	EST385637 MAGE resequences, MAGM Homo septens duny	Homo saplens myomesin (M-protein) 2 (160kD) (MYOMZ), mrtvA	AV751001 NPC Homo septems CONA done NPCACH09 5	ZB9f05.rf Sogres, testis_NHT Homo sapiens cUNA clote IMACE::/3049/ 0	ZISBIDE I Scares testis NHT Homo sepiens CLIVA cione invalce: Journal	Homo sapiens discs, large (Drosophila) homotog 2 (chaps/n-110) (ULG2), mrvvv	H. septens immunoglobulin kappa light chain variable region L.14	Human MSH3 gene, exan10	Homo sepiens TATA box binding protein (TBP) mRNA	ESTB6883 Teets I Hamo sepiens cDNA 5' end	EST95683 Testis I Homo sepiens cDNA 5' end	wh50406.xt NCI_CGAP_Kid11 Hamo septens aDNA clone IMAGE:2384171 3	601458531F1 NIH_MGC_66 Homo sepiens cDNA clone IMAGE:3862086 5	om81e04.s1 NCL_CGAP_Ktd3 Home septens cONA clone IMAGE:1553550 3' similar to I NCL13732 C13732 SA GENE PRODUCT PRECURSOR.;	cnotino2 y1 Normal Human Trabecular Bone Cells Homo sepiens cDNA clone NHTBC_cn06h02 random	#48c11.x1 Sogres_NFL_T_GBC_S1 Hamo septems dDNA done IMAGE:2358836 3	H.sepiens DNA for ZNF80-linked ERV9 long terminal repeat	aus6c07.x1 Schnekter fetal brain 00004 Homo sapiens cDNA done IMAGE:2781228 3' similar to contains element TAR1 repetitive element;	Homo sapiens polymerase (RNA) III (DNA directed) (39kD) (RPC39), mRNA	AV782869 MDS Homo septens cDNA clone MDSEIC12 5	Homo saptens hypothetical protein (LOC57143), mRNA	Human mRNA for KIAA0184 gene, partial cds	Homo sapiens phosphatidylinositol 4-phosphate 5-finasa, type II, beta (PIPONZB) minna, and uansiation products
	Top Hit Database Source					EST_HUMAN		HUMAN				EST_HUMAN		TN	TN		EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	П	NT	EST HUMAN		T_HUMAN	TN.	F	
S S	Top Hit Acessian No.	4758081 NT	4758081 NT	4507628 NT	41141063.1	3E081860.1	11422031 NT	1.0E-58 AW973537.1	4505314 NT	4V751001.1	4A412397.1	4A412397.1	11432994 NT	1.0E-68 X63392.1	1.0E-58 D61405.1	4507378 NT	AA382291.1	8.0E-59 AA382291.1	8.0E-59 AI761963.1	6.0E-59 BF035327.15	6.0E-89 AA962431.1	6 0F-69 A1750970.1	AJ807484.1	5.0E-59 X83497.1	AW162304.1	11421778 NT	5.0E-59 AV782869.1	11434908 NT	4.0E-59 DB0006.1	4505818 NT
	Most Similar (Top) Hit BLAST E Value	1.0E-58	1.0E-58	1.0E-68	1.0E-58 AI14	1.0E-58 BEO	1.0E-58	1.05-58	1.0E-58	1.0E-58 AV7	1.0E-58 AA4	1.0E-58 AA4	1.05-58	1.0€-58	1.0E-58	8.0E-59	8.0E-59 AA3	8.0E-59	8.0E-59	6.0E-59	6.0E-59	69-309	5.0E-69	5.0E-59	5.0E-59.AW	5.0E-59	5.0E-50	5.05-69	4.0E-59	4.0E-59
	Expression Signal	0.83	0.83	99.0	7.13	1.37	28.0	0.49	0.62	0.77	49.0	0.64	0.65	2.1	261	53.38	0.74	0.74	1.65	1.97	0.62	8	7,75	9.94	8 22	183	1.44	4.54	1.9	0.61
	ORF SEQ ID NO:	28809	22810	28977	31186	32465	33556		35695						38787				l		34579	35050	$\perp$		{					[_]
	Exan SEQ ID NO:	16791	16791	16974	18213	19150	20138	1	ļ	ı	l	1	ł	25055	25080	L	L		L	L	1	1	1.	1.		L	_	L	13995	1 1
	Probe SEQ ID NO:	3627	3627	3814	5085	7909	7002	8305	9070	9182	8282	8282	10389	12074	12100	2303	6279	82,53	8374	189	8015	9770	3407.	4780	74.20		908	11146	816	1266

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Single Exon Probes Expressed in Placenta	Top Hit Descriptor	fh07h04.x1 NIH_MGC_17 Homo sepiens cDNA clone IMAGE:2861654 5	weS6c12.x1 NCI_CGAP_Kid11 Homo septens cDNA done iNAGE:z300162.5 similar to Incusoom. Q8c542 RTVL-H PROTEIN_contains LTR7.b1 LTR7 repetitive element;	Homo expiens alpha-tubulin mRNA, complete cds	601176757F1 NIH MGC 17 Hamo sapiens cDNA clone IMAGE:3537827 5	ye25c09.r1 Strategene king (#837210) Homo sapiens cDNA clone IMAGE:118788 6 similar to SP:521348 S21348 HYPOTHETICAL PROTEIN 4 - ;	os56h11.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE*1309029 3* similat to Int. 0.13503 / Q13537 MER37 TRANSPOSABLE FLEMENT, COMPLETE CONSENSUS SEQUENCE.;	Homo sapiens mRNA for transcription factor	601111951F1 NIH_MGC_16 Home capiens cDNA cione IMAGE:3332692 3	601111951F1 NIH MGC 16 Hamo sepiens cDNA cione IMAGE:3332092 5	Homo sapiens zho finger protein 275 (ZNF275), mRNA	Home sapiens 3-hydroxy/scbutyry-Coenzyme A hydroisise (HIBCH), mrkhy	Homo sapiens 3-hydroxyisobutyryl-Coenzyme A hydrotese (HIBCH), mrkryk	Home seplens mRNA for transcription factor	EST389849 MAGE resequences, MAGO Homo septems CLAVA	Home saplens small nuclear ribonucleoprotein DS polyceptae (1040) (SmrkPDs) migray	Homo saplens differentiation-related gene 1 (nicker-specific invaccion) (North in the	Homo sapiens differentiation-related gare 1 (nicker-specific included) process (1000)	Homo sapiene mRNA for KIAA1081 protein, partial cols	Institutoran-binding protein-hapatocyte growth factor activator homolog [human, plasma, mRNA, 2408 nt]	Homo sapiens phosphate cyfidylytransferase 1, choine, beta isgrorm (not 1 to), italy or	Human mRNA for integrin alpha-2 subunit	Homo sapiens S-anigen; retins and pineal gland (arrestin) (SAG), minnA	Homo sepiens KIAA0433 protein (KIAA0433), mkNA	Homo sepiens KIAA0433 protein (KIAA0433), mRNA	Homo sepiens RAN binding protein 7 (RANBP7), mRNA	Hamo sapiens chromosome 21 segment HS21C004	Homo sapiens chromosome 21 segment HS21C004	Homo sepiens MHC class 1 region	Homo saplens MHC class 1 region	Homo septens interfeutan 10 receptor, deta (IL. IOND), illininin
EXON Prope	Top Hit Database Source	EST_HUMAN	EST_HUMAN	TN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	EST HUMAN	EST_HUMAN	TN	TN	NT	NT	EST_HUMAN	TN	LA L		TN.	LN	Ę	ΝŦ	F	M	N	TN	IN	NT	N	LZ.	LN.
eguis	Top Hit Acession No.	2.0E-59 AW410698.1			1.1	92522.1	9.1	1.0E-59 AJ130894.1	1.0E-59 BE256814.1	56814.1	11419630 NT	11428849 NT	11428849 NT		1	4759159 NT	5174656 NT	4656	8.0E-80 AB029004.1	182.1	11420841 NT	033	11428949 NT	11417118 NT	11417118 NT	5453997 NT	1L163204.2	4L163204.2	AF055066.1	7.0E-60 AF055066.1	4504634 NT
Ì	Most Similar (Top) Hit BLAST E Value	2.0E-59 A	2.0E-59 AIGS	2.0E-59 L11645.1	1.0E-59 B	1.0E-59 T92522.1	1.0E-59 AA7.	1.0E-59	1.0E-59 B	1.0E-59 BE2	1.0E-69	1.0E-59	1.0E-59	1.0E-59	8.0€-60 ₽	8.0E-60	8.0E-60	8.0E-60	8.0E-60	8.0E-60 S83	8.0E-60	8.0E-60 X17	8.0E-60	8.0E-60	8.0E-60	8.0E-60	8.0E-60 AL1	8.0E-60 AL1	7.0E-60	7.0E-60 /	7.0E-60
	Expression Signal	2.19	4.28	3.87	5.65	19.	2.65	1.14	1.3	1.3	0.88	0.58	0.58	10.98	1,45	321	4.78	4.76	1.18	08'0	0.89	3	2.93	0.78	0.78	0.62	4.17	4.17	11.11	25.11	1.47
	ORF SEQ ID NO:	37781	32718			27803		34285		34455							28502	28503	32616	33181			L					L			27071
	SEQ ID	24144			13392	1	[	1_	L	1_	L	L	L	L	L	L	15374	15374	19283	19792	1_	L	L	1_	┸	1	L	上	L		1 1
	Probe SEQ ID NO:	11069	12873	12083	187	1500	2883	7735	7895	2002	88	8804	288	1100	8	1489	2241	2241	6103	9633	7874	8152	9139	287	1298	10799	11071	11071	E	774	838

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Table 4
Single Exon Probes Expressed in Placenta

Top Hit Descriptor	Homo septens cullin 4A (CULAA) mRNA, complete cds	Homo sapiens mRNA for KIAA0581 protein, partial cds	Homo septens omithine decarboxylase 1 (ODC1) mRNA	Homo sapiens ALR-Bee protein mRNA, partial cds		Т		T			_							$\neg$	Hamo sapiens prohibitin (PHB) mirana	1	- 1	7			Homo sapiens proline dehydrogenase (proline oxidase) (PRCDH) mXNA		П	abo7h04.r1 Strategene lung (#637210) Homo sepiens cDNA done IMAGE:840151 5' smillar to contains WAN LTR10.r1 LTR10 repetitive element;
Top Hit Destaberse Source	F	Ę	뉟	¥	EST HUMAN		EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	N.	EST_HUMAN	EST HUMAN	눌	Ę	EST_HUMAN	EST HUMAN	EST HUMAN	Σ	ΙN	EST HUMAN	노	EST_HUMAN
Top Hit Acessian No.	188.1	153.1	4606488 NT	750.1	J58041 1		158041.1	3E964974.2	6.0E-60 H52456.1	41807917.1	5.0E-60 A1807017.1	4.0E-60 AW 503208.1	4.0E-60 AW 503208.1	4A299037.1	4.0E-60 BF196068.1	4.0E-60 AL163278.2	BE562611.1	BE562611.1	3.0E-60 6031190 NT	AJ271735.1	BF365143.1	3.0E-60 AW836198.1	3 DF-80 AI792814.1	5174644 NT		A104023E	5174644 NT	3.0E-60 AA485288.1
Most Similar (Top) Hit BLAST E Value	7.0E-60 AF07	7.0E-60 AB01	7.0E-80	7.0E-80 AF284	7 OF AN H5R04		7.0E-60 H5804	6.0E-60 BE984	6.0E-60	5.0E-60 AI807	5.0E-60	4.0E-60	4.0E-60	4.0E-60	4.0E-80	4.0E-60	3.0E-80 BE56	3.0E-60	3.0E-60	3.0E-60 AJZ7	3.0E-60 BF36	3.0E-60	3.05-80	3.0E-80	3.0E-60	}		]
Expression	1.82	96.0	2.4	0.91	č	17.4	1.73	1.16	80.00	100	1.06	1.83	1.83	1.45	0.78	0.65	4.98	4.98	2.81	2.75	0.69	2.21	4 0.7					
ORF SEQ ID NO:	284581	29068			_	2020	38417				26340				34055		28161				31709	32251	04540		35218		35560	
SEG ID	45332	15050	17438	17833	1	7007	24725	15381	21712	13321	13321	15440	1	1	l			L_	l	17716	18693	١_		2678	1_			1 1
Probe SEQ ID NO:	787	ž	1 8	i g		200	11646	2248	8833	1 8	8	8	2308	3037	7508	88	1907	1807	1918	4579	25	5767	1	2507	8507	882.8		13053

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	Top Hit Descriptor	Homo septions PHD finger protein 2 (PHF2) mRNA	Homo sapiens PHD finger protein 2 (PHF2) mRNA	w05b10 x NCI CGAP Cos Homo saplens cDNA dane IMAGE:2506565 3'	LANGEAGO A NOT COAD COR Homo seniens CONA clore IMAGE 2500555 3	WINDS IOAN INC. COST TO THE A (ERVS)	THIRD STUDIO COAD I THE TENED TO SERVICE TO THE STUDIO COAD I THE	Imbaguesi Nci Loar Lait ratio adrais color color in color	Home septems PARCO protein (PARCA), misses	Home separate PARAD protein (FANAD), introver	601300838F1 NIFT MGC_K1 India Square Cold Alma HAACE 2885480 5	COTSUBSET NIT MICE AT HAILS COPING COLOR C	Hamo sapiens Prozula infava, camprae cus	601109238F1 NIH JMGC 16 Hamo septens dury dra birmon 300110 3	IMBSh09.s1 NCI CGAP Lari Homo sapiens CAVA Gone Invacer in Construction of the Constru	AU130689 NT24P3 Homo capiens CUNA Corre IN LANT SOUTCOS S	lg-beta/B29=CD79b (afternatively spliced) [numen, B cars, mixty rance, 575 mg	Human autosoma dominant polycysuc Norrent Library and American American	Home sapiens general transcription tector 24 (GTFZ) mixtury, conjugate two	601300938F1 NIH MGC 21 Hamo septens don'n dane limage. Successor	Human brearpoint custar region (box) gens, compress was	Home sapiens hypothetical protein PLD11516 (PLD11316), Illinois	Homo sapiens hypometreal protein FLU 11310 (TLU 1310), III. C	Horno September 1 - Cent in the contract of th	Harto sapietis productions of regiment HS21C079	Tight square discountry and the square state of the square state o	Homo sepiens emyloid beta (A4) precursor protein (protesse neon-II, Abbreimer disease) (APP), mRNA	Homo sapiens 959 kb contig between AML1 and CON I of cition country, commun.	Homo sepiens I cell lymphome investor and investors I (1974) / 114 and 114 A CE (1974)	AUTACOUR PLACEZ MUID SAMAIS COLON MAIO I EXCERCIONES	HOMO SEPTEMBLIANCE OCCUPANT PARTY STATES AND ALTERNATION OF THE ARROWS STATES AND ALTERNATION AND ALTERNATION STATES AND ALTERNATION ALTERNATION STATES AND ALTERNATION ALTERNATI	AV/31140 RTF Homb squares Cover Cure IIII Records COVA clone CBDA GB04	ALISTING DUMBER HILLY OF HOUSE (F. 141028) ITANA	Homo sapients hypothetical protect in 1920 (1921) i	
2011 1 1000	Top Hit Database Source	Ŀ	5	EST HIMAN		EST HUMAN	Į	EST HUMAN	Ę	LN	EST_HUMAN	EST HUMAN	TN	EST_HUMAN	EST HUMAN	EST_HUMAN	IN	NT	IN	EST_HUMAN	攴	뒫	Z Z	Į.	Į.	2	TN.	N	LN.	EST HUMAN	Į,	EST HUMAN	EST_HUMAN	TALE TOTAL	ESI_HUMAN
Siring	Top Hit Acession No.	4885546 NT	APRESEAR INT	2470.4	74,0.1	06478.1		8.0E-61 AA583988.1	7708870 NT	7706670 NT	6.0E-61 BE408310.1	8.0E-61 BE409310.1	8.0E-61 AF119860.1	6.0E-61 BE257400.1	6.0E-61 AA598033.1	6.0E-61 AU130689.1	S79249.1	<b>U24488.1</b>	6.0E-61 AF035737.1	BE409310.1	9		TN 00022990 NT	4507500 NT	4506008 NT	5.0E-61 AL163279.2	4502168 NT	80	4507500 NT	AU14030		AV731140.1	AF15019	Į.	BE168410.1
	Most Similar (Top) Hit BLAST E Value	9.0E-61	200	8.0E-01	S.UE-OI AWU	8.0E-67 AWO	8.0E-61 X571	8.0E-61	7.0E-61	7.0E-61	6.0E-61	8.0E-61	8.0E-61	6.0E-61	6.0E-81	6.0E-61	6.0E-61 S792	6.0E-81 U244	6.0E-61	8.0E-61 BE40	6.0E-61 UO7C	5.0E-61	5.0E-81	6.0E-61	5.0E-61	5.0E-81	5.05-61	5.0E-61 AJZ	5.0E-61	4.0E-61	4.0E-61		3.0E-61 AF1		2.0E-61 BE1
	Expression Signal	0 63	63.0	3	1.41	1.41	2.63	1.03	0.79	0.79	3.06	6.49	12.72	49.	2.91	8.16	2.96	1.40	28.	1.86	1.42	2.54	2.64	0.7	2.84	219	1.82	222	0.75	1.94	0.71	9.47	7.0		5.33
	ORF SEQ ID NO:	36526	1	33027	28965	28968		34679	26389	26390	26524	27068	27579	27896	27916	29567	32877	34045	34343	27068	31925			20612		79291	29462		28612						27460
	SEQ ID	24007	П	1		15852	16192	21161	Ŀ	13357	13494	14012	1		1	1	1	_	1_	1_	1	L	L	13579	14864	16277	18442		_	1	l	L		$\mathbf{J}_{-}\mathbf{J}$	14398
	Probe SEQ ID NO:	9008	3	8808	2735	2735	3018	8078	8	138	276	8	1352	1650	1670	3384	6155	7497	77.95	12584	13157	228	228	370	1713	. 3101	3268	609	5118	186	588	12349	8616	511	1239

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	Top Hit Descriptor	QV3-HT0513-060400-147-d01 HT0513 Homo sapiens cDNA	yr53d11.s1 Soares fetal fiver spleen 1NFLS Homo septens duna ordre invalves zachous 3 sammer us gb. 25444 60S RIBOSOAMAL PROTEIN L35A (HUMAN);	yyosif11.ri Soares melanocyta 2NbHM Homo sapiens cDNA cione invalot: 27/0168 3	Homo sepiens ATPese, H+ transporting, lysosomei (vectober proton pump) nor-ceasiyus accessor y protein 1A (110/11640) (ATP6N1A), mRNA	AV694317 GKC Homo saplens cDNA clone GK CEL (305 5)	Homo expiens mRNA for KIAA0536 protein, partial cos	UJ-HF-BNO-6674-12-U-J-J-J-Nig-C-50 Home savens Color Care invocation of the Color o	omo sapiens poymerase (ruky) iii (Divky uleuray) (saky) (rukovy iii use)	Homo sapiens nibosomai protein L44 (INTL44), minuvin	QV0-BIX0042-170300-162-110 BN042 Framo sapiens CONA	Homo saplens chromosome 21 segment HSZ1 CVVS	Homo sapiens origin recognition complies, suburit 2 (yeast normong) time (ONOZZZ) illings	Homo sapiens chromosome 21 segment HSZ1CXXX	Human polymorphic trinucleotide repeat in A-trinea rearrius piginteriussa (r.v. s.) years region.	Homo sapiens zona pelucida giycoprotain 3A (sperm receptus) (2-3A), misuw	xm11b09.yr NCI_CGAP_LI5 Homo sapiens cDNA clone IMAGE:2683369 5 similar to contains evened it. MSR1 repetitive element;	601273513F1 NIH MGC 20 Homo septens cDNA clone IMAGE:3614687 5	Lower carione KIAA0806 cene product (KIAA0806). mRNA	OND UTDEAT 440300-077-006 HT0577 Homo septens CDNA	UVZTITUOT FITOURIS & AMAGOS & AMAGOS & AMAGOS & COMPLETE COS	United Information Courts of Amily manufacturated NFKB activator (TANK) mRNA	Line anions TDAE family member seconded NFKB activator (TANK) mRNA	TOTIO SERVERS LIVE TRAINING INCOME. SOME HAMD SERVERS CON COME IMAGE 27328713	UI-T-BW C-BIT-CO-C-LIST NO. CONT. CAND CAPE LAWS CONTROL CONTROL IMAGE 27328713	JI-H-BW0-gjr-D-US I NG COM Junio Square Color Company Color	Homo eaplens chromosome 21 segment no 2100 to	Hisapiens carbonic amydrase VIII (CA VII) gane, exons 4,5,0, erid 1, erid curpos con	Homo sapiens NuAnuros gene product (nuAnuros), introv	Homo septens survived of motor neuron 1, telonicale (Signivity, Harvivity)	HUMBI 140 I Josef Eind Hillsstoen grown i SRRP129) mRNA	Forms separate Security Process (Color 120128) mRNA	Tallo aquala liyroni and a promission of the control of the contro
The second of th	Top Hit Databasse Source	EST HUMAN C	EST_HUMAN 0	EST HUMAN Y		EST HUMAN		THOMAN			T HUMAN			- LN	NT		EST HIMAN	IMAN		1444	HOMAN				П	L HUMAN							IN.
Birth	Top Hit Acessian No.	20E-61 BE168410.1			11426166 NT	4317.1	1108.1	2.0E-61 AW 500258.1	11421778 NT	622	2.0E-61 AW 995328.1	1.0E-61 AL163203.2	5453829 NT	1.0E-61 AL163203.2		E005983 NT	4 AE 64 AW027281 4	T 000000	T. Common	- 13	BE174455.1	1.0E-61 M68840.1	4759249 N I	4759249 NT	AW298181.1	AW298181.1	1.0E-61 AL163210.2	1.0E-61 M76423.1	7662303 NT	11416891 NT	1.0E-61 M30135.1	4759171 NT	8923130 N
	Most Similar (Top) Hit BLAST E Value	20E-61	2.0E-61 N53039.1	2.0E-61 NS9397.1	20E-81	2.0E-61 AV66	2.0E-61 ABO1	2.0E-61 /	2.0E-61	2.0E-61	2.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61 U32	1.0E-61	4 0 1 64	1.0E-01 AW	1.05-01	1.0E-61	1.0E-61 BE1	1.0E-61	1.0E-61	1.06-61	1.0E-61 AW	1.0E-61 AW	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.08.94
	Expression Signal	6.33	1.36	1.72	0.88	1.67	0.98	1.34	2.84	4	1.45	137	1.28	101	28.	4.43	13.	8 8	08.0	0.85	1.18	1.05	0.95	0.95	9.55	9.55	0.62	17.0	1.07	1.32	8.92	0.77	1.39
	ORF SEQ ID NO:	27481	27938		33094	35839		36763	37101		31950	Ĺ	27028		L	28160									31086	31087		91723	32301				33883
	Econ SEO ID NO:	14398	14851	15824	l		L		23491	L	L	L		1_	L	L	l	_ 1				Ш	17699	_	18110	L	1	18708	ı	ı	20094		20421
	Probe SEO ID NO:	1239	1600	2708	8558	7128	9762	10126	10456	11123	13144	488	ğ	1430	1809	1006		2270	2896	3463	3826	4374	4561	4561	4981	488 188	5076	5509	2806	8	794	7240	7341

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ORF SEQ Expression (Top) Hit Acession Signal BLASTE No. Source Source	33394 1.39 1.0E-61 6923130 NT Homo septens hypothetical protein FL/20128 (FL/20128), mRNA	2 60 1 0E-81 11034840 NT			AW999726.1 EST HUMAN	1.0E-61 11416280 NT	4.8 1.0E-61 11428892 NT	5.61 1.0E-61 11425578 NT	4550.1 NT	1.44 1.0E-61 AB007830.1 NT	21.57 1.0E-61 AB011399.1 NT	1.0E-61 11430460 NT	4 1.0E-61 (1430460 NT	31959 10.94 1.0E-61 11418127 NT	37206 1.08 9.0E-62 BE064386.1 EST_HUMAN		30798 0.85 8.0E-62 AA830420.1 EST HUMAN	27351 1.12 7.0E-62 AV714834.1 EST_HUMAN		29775 0.84 7.0E-62 P17480 SWISSPROI	32544 0.97 7.0E-62 11427965 NT	28403 4 CE 7 0E-62 AI208681.1 EST HUMAN	1 55 6.0E-62 U09410.1 NT	5.37 6.0E-62 11418255 NT	34351 3.47 6.0E-62 AI762801.1	34352 3.47 6.0E-62 AI762801.1   EST_HUMAN	0.66 6.0E-82 AW 501124.1 EST_HUMAN	35063 1.52 6.0E-62 11431139 NT	387 6.0E-62/AW814393.1 EST_HUMAN	NAMUA R OF-87 AISTOS28 1 EST HUMAN	28729 5.16 6.0E-82 AJZ71735.1 NT	28720 5 16	20100
	33884	34025		35123		36193	36861	37585	37880	38033		31677	31678	31959	37206	+	30798	27351		29775	32544				34351	34352		L		<u> </u>			}
Exem SEQ ID NO:	20427	L	1	21589	١.	<u> </u>	L.	L.	L	L	<u> </u>	١		L	L	1_	3 17808	L	_[_	5 16759	19221	04740		L	$\perp$	L	L	24633	L			O 4EEOF	
Probe SEO ID NO:	72.61	2000		8208	9482	1959	10235	10871	11178	11325	12242	12286	12266	1303	10565		4673	1131		3595	6038	44897	2062	S S	7803	7803		8452	OFF.		2478	2470	147

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	Tap Hit Descriptor	Homo sapiens ryanodine receptor 3 (RYR3) mRNA	zw78e09.s1 Sogres_testis_NHT Homo sepiens cDNA done IMAGE:782244 3' similar to SW:NRDC_KA1	P47245 NARDILYSIN;	Homo sepiens ryanodine receptor 3 (RYR3) mKNA	fin07g09.x1 NIH_MGC_17 Hamo septens cDNA clane IMAGE:2861616 6	Homo sapiens muscle specific gene (M9), mRNA	Homo saplens muscle specific gene (M9), mRNA	BL71403.y1 Schnetder fetal brain 00004 Homo saplens cDNA clone IINACE:2781701 5 similar to gb:M3/104 ATP SYNTHASE COUPLING FACTOR 6, MITOCHONDRIAL PRECURSOR (HUMAN);	eu71d03.y1 Schneider fetal brain 00004 Homo sepiens CDNA clone IMAGE:2781701 5' similiar to gb:M37104 ATP SYNTHASE COUPLING FACTOR 8, MITOCHONDRIAL PRECURSOR (HUMAN);	eu71dos,y1 schneider fetal brain 00004 Homo sepiens CDNA clone INACE:2781/01 5' simmer to genas/104 ATP SYNTHASE COUPLING FACTOR 6, MITOCHONDRIAL PRECURSOR (HUMAN);	au71d03.y/ Schneider fetal brain 00004 Homo septens CANA clone INAGE:2781701 6' similer to gb:3487104 ATP SYNTHASE COUPLING FACTOR 8, MITOCHONDRIAL PRECURSOR (FUMAN);	wrt 2b08.xt Soares_NFL_T_GBC_S1 Home sepiens cDNA clone IMAGE:2350359 3' simitar to gb:X57138_ma1 HISTONE H28.2 (HUMAN);	W12508.x1 Scares_NFL_T_GBC_S1 Homo septems cDNA clone INAGE:2350359 3' similar to	gb:X57138_merl HISTONE H2B.2 (HUMAN);	Homo seplens keratin 18 (KRT18) mRNA	Homo sapiens solute carrier family 13 (sodium-dependent chcarboxylate transporter), member 2 (SLC) 342) mRNA	Homo sepiens ubiquitin specific protesse 9, X chromosome (Drosophila fat facets related) (USP9X), mRNA	Homo sepiens phosphoribosyl pyrophosphate synthetase 2 (PRPS2), mRNA	Homo sepiens eukaryotic translation initiation factor 28, subunit 2 (beta, 3940) (Elit 202), minnya	Homo sapiens eukaryckic translation initiation factor 25, subunit 2 (Deal, SMU) (Cilif 202), minuth	Homo sapiena 28S proteasome-associated pad 1 homolog (POH1), mKWA	Horno sapiens mRNA for KIAA1263 protein, partial cds	H. sepiens flow-sorted chromosome 6 Hindlill fragment, SCOPA16L3	H. sepiens flow-sorted chromosome 6 Plindlill fragment, Sudayat dus	thyoid-efimulating hormone alpha subunit (human, Genomic, 208 m, segman 3 d 4)	Homo saptiens putetive nuclear protein (HRVHTB212Z), mirkyk	HOMO SADIENTS INCIPACIONE DE LA LINE DE LA LA CARRIER PROPERTOR DE LA CARRIER DE LA CA
Top Hit				T_HUMAN		EST_HUMAN H	į		T HUMAN		EST_HUMAN	EST HUMAN	EST HUMAN		HUMAN												ĮŽ!	5
	Top Hit Acession	4506758 NT		5.0E-62 AA431093.1	4506758 NT	410687.1	11425574 NT	11425574 NT	61479.1	61479.1	W161470.1				4.0E-62 AI827900.1	4557887 NT	4506978 NT	11420654 NT	11421041 NT	7657057 NT	7857057 NT	11429973 NT	AB033089.1	Z78766.1	4.0E-62 Z78768.1	4.0E-62 S70584.1	11418086 NT	11418192 NT
<del></del>	(Top) Hit BLAST E Value	5.0E-62		5.0E-62	5.0E-62	5.0E-62 AW	5.0E-62	6.0E-62	4.0E-62 AW1	4.0E-62 AW1	4.0E-62 AW1	4.0E-62 AW1	4 0F-89		4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.05-62	4.05-62	4.05-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62
	Expression Signal	2.55		1.75	0.74	1291	238	238	2.17	2.17	132	132	0	3	1.9	60'6	1.71	281	1.75	221	221	1.12	6.42	2.62	2.62	63.7	1.18	1.65
	ORF SEQ ID NO:	29883		30508							l		<u> </u>		28779		32553	32960					l		37974		38360	
8	SEO ID	16673		17587	21825	22782	24599	24500	14040	14040	I	J	1	1-000	15654	16654	Ì	19594	1	1	ı	1	1_	L	L	i .		Ш
4	SEQ ID	3506		4447	8746	9717	11543	14543	. 8	88	864	864		200	2529	3488	6048	8426	7322	7812	7812	8364	9047	11263	11263	11500	12269	12497

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Top Hit Descriptor	Home contacts Carlborn EGE! AG seven-pass G-type receptor 1 (CELSR1), mRNA	Cally deposit Section 11 (1978) 4 (VISADA) mANA	Homo septiens calculating protein I (NAVOSCO), me ex	Homo sapiens calcineum binang process 1 (NAANSSO), IIINANS	Homo sepiens low density lipoprosein-released protein 2 (LINITA), library	Home saplens neurofibramin 2 (bilateral acoustic neuroma) (NF2) minum	Homo sapiens mRNA for KIAA1476 protein, partial cots	Homo sapiens mRNA for KIAA1476 protein, partial cds	Human cyclophillin-related processed pseudogene	wassig4x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:ZZ88803 5 Similer to cantains 11 in LE	THR repetitive element;	Hamo sapiens and nosarie 21 sogment in 121 course	RC0-EN0284-300500-031-e0.9 BN0264 norms septems curver	RCo-BN0284-300500-031-e05 BN0284 Homo sapiens CJVA	Homo sepiens martnosidase, beta A, Iysosomal (MANBA) gene, and ubiquiun-conjugating enzyme EZED o	(UBE2D3) genes, complete ods	QV4-BT0257-081169-017-e03 B10257 Home suprens curvin	Homo saplens Intersectin 2 (SH3D1B) mRNA, complete cds	Homo sepiens ADP/ATP cerrier protein (AN I - 2) gene, complete cas	af70e11.rf Soares_NhHMPu_S1 Homo sapiens cDNA clare IMAGE:1047404 3 Smillar to WF:201111.21	CE03463;	DKFZp566F104_F1 505 (synchym: mirekz) ridnin sąprają czyny częsty	Homo sapiens hypothetical protein relativistic, interventante of (N. 1900). Hipsonial	Homo sapiens X28 region near ALL) locus containing dual specificity prinsprintates a (1004 9), recommendate in modelin L18a (RPL18a), Ca2+/Celmodulin-dependent protein khase I (CAMKI), creatine transporter (CRTR),	CDM protein (CDM), adrenoleukodystrophy protein >	aboscoz.sr Stratagene fetal retina 837202 Homo sapiens cDNA cione IMAGE: 333900 3	2889f10.s1 Soares fetal heart NbHH19W Homo sapiens cDNA Crone IMA CC-409771 3	2089(10.s.1 Soares_fetal_heart_NbHH19W Homo sapiens CUNA Gone INMAGE: 4087713	zs83607.11 NCI_CGAP_GCB1 Homo sapiens dDNA cione IMAGE:/Viology o	Homo sapiens KIAA0763 gene product (KIAA0763), mRNA	Home sapiens KIAA0763 gene product (KIAA0763), mRNA	H saniens hisosomel acid phosphatase gene (EC 3.1.3.2) Exon 9	H seriens lysosomal acid phosphatase gene (EC 3.1.3.2) Exon 9	BACCACHOR ST NCT CGAP GCB1 Homo sepiens cDNA clone IMAGE:815055 3'	
Top Hit Database Source							NT	LN	NT		LHUMAN	7	EST HUMAN	EST_HUMAN			T_HUMAN	TN	TN		EST HUMAN	4.1 EST_HUMAN	¥	·	Ē	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN		Į.	5	LA	EST HILLAN	ESI JIONESI
Top Hit Acession		11418322INI	11417862 NT	11417862 NT	11430450 NT	4557794 NT	0909.1	0909.1			3.0E-62 Al632733.1	2.0E-62 AL163284.2	2.0E-62 BF329911.1	2.0E-62 BF328911.1		2.0E-62 AF224669.1	3F330676.1	1.0E-62 AF248540.1	78810.1		1.0E-62 AA625207.1	AL 039044.1	8923201		U52111.2	AA490060.1	1.0E-62 AA722878.1	1.0E-62 AA722878.1	4 OF 62 AA 280050.1	7862289 NT		Vecess	1.0E-02 A13333.1	A 105470 4	1.0E-02/AA4051/0.1
Most Similar (Top) Hit BLAST E		4.0E-62	4.0E-62	4.0E-62	4.0E-62	3.0E-62	3.0E-62 AB04	3.05-62/	3.0E-62 X528		3.0E-62	2.0E-82	2.0E-62	2.0E-62		2.0E-62	2.0E-62	1.0E-62	1.0E-82		1.0E-62	1.0E-62	1.0E-62		1.0E-62 U52	1.0E-62	1.0E-62	1.0E-62			4 00 80				
Expression Signal		1.66	98.9	6.86	2.16	0.69	1.13	1.13	4.19		3.74	271	5.59	6.50		8.7	888	4.1	18.41		2.	122	1.84		2	1.07	269								3.03
ORF SEQ ID NO:		31965	31952	31953	31065	26338	28301	20302	20056		35351	27482	35595			٠			27800		. 28088	L			42050						١				36263
SEQ ID		25657	١	25653	Ł	L	1.	1		L	21816	L	1	1.	L	23411	1_	L	L		14988	L	_	1	40597	1	1	J	1	2000	ı	- 1	ı	1	22895
Probe SEQ ID		12946	13004	13004	3060	, K	244	0444	9780	3	8737	1259	8074	8074	3	10976	44089	1900	4575	ÀC!	1842	2981	4848		0770	2867	2 2	7002	Í		S S	333	8302	8302	975

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Single Exon Probes Expressed in Placenta

Probe SEQ ID         SEQ ID         ORF SEQ ID           NO:         NO:         NO:           11648         24727         38416           12809         25540         3196           2421         13559         26681           4162         17304         3028           4162         17304         3028           4162         17304         3028           4162         17304         3028           558         18484         38824           558         18484         38824           558         18484         38824           558         18484         38824           558         18484         38824           558         18477         3182           2420         16713         3387           2446         1674         2873           356         1674         2873           356         1674         2872           356         1674         2872           356         1674         2872           356         1676         2872           356         1675         35688           356         1676
SEQ ID NO: 24727 25540 25540 25540 13559 13559 14484 16560 17524 16560 1

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Single Exon Flobes Expressed III Fladania	Top Hit Descriptor	601485656F1 NIH_MGC_69 Homo sapiens cDNA clone IMAGE:388253 5	601485656F1 NIH_MGC_69 Homo sapiens cDNA clone IMAGE:3888253 57	Human DNA topoisomerase I mRNA, partial cds	Homo septens eyes absent (Drosophila) homolog 2 (EYA2), mRNA	Homo septens glutamate-cysteine ligase (gamma-glutamylcysteine synthetase), catalytic (72.8kD) (GLCLC) mRNA	Homo sepiens Down syndrome candidate region 1 (DSCR1), mRNA	Homo sapiens RHCE mRNA for Rh blood CE group antigen polypeptide, complete eds	Homo sepiens RHCE mRNA for Rh blood CE group antigen polypeptide, complete eds	601301627F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3636103 6	wj54b02x1 NCI_CGAP_Lu19 Homo sapiens cDNA clone IMAGE:2406603 3' similar to gb:M57609 GLI3 PROTEIN (HUMAN);	Homo sapions emyloid beta (A4) precursor protein (protease nextn-II, Alzheimer disease) (APP), mRNA	Homo sapiens chromosome 3 subtelement region	Homo sapiens polycystic kidney disease-associated prokein (PKD1) gene, complete cds	Homo sapiens jun dimerization protein gene, pertial cds; cfos gene, complete cds; and unknown gene	Homo sepiens simiter to ectonucleotide pyrophosphatase/phosphodiesterase 3 (H. sepiens) (LOC63214), mRNA	QV1-FT0170-040700-285-c05 FT0170 Hamp sepiens cDNA	QV1-FT0170-040700-265-005 FT0170 Hamp septems dDNA	Homo sapiens protein kinase, cAMP-dependent, regulatory, type II, beta (PRKAR2B), mRNA	Homo sapiens protein kinase, cAMP-dependent, regulatory, type II, beta (PRKAR2B), mRNA	Human germline T-cell receptor beta chain Doparnine-beta-hydroxylass-like, TRY1, TRY2, TRY3, TCRBVZ7S1P, TCRBVZSS1A1T, TCRBVSS1A1T, TCRBV7S1A1NZT, TCRBVSS1A1T, TCRBV13S3, TCRBV6S7P, TCRBV7S2A2T, TCRBV13S2A1T, TCRBV8S2A2PT, TCRBV7S2A1N4T,	TCRBV13S9/13S>	Homo sapiens MIST mRNA, partial ods	Homo sapiens MIST mRNA, partial ods	Homo sapiens Carbonic anhydrase-related protein 10 (LOC56934), mRNA	Homo sapiens Carbonic anhydrase-related protein 10 (LOC56934), mRNA	Homo sapiens mRNA for KIAA1624 protein, pertial ods	Homo sapiens chromosome 21 segment HS21C010
EXOII FIODES	Top Hit Database Source	EST_HUMAN 60	EST_HUMAN 60	<u>i</u>					¥	EST_HUMAN 60	EST HUMAN P				¥		T HUMAN	П						¥				¥
Alfric	Top Hit Acession No.	78158.1	76158.1	304.1	4885226 NT	4557624 NT	7657042 NT	0388.1	0388.1	0739.1	981.1	02168	2.0E-63 AF109718.1			11419429 NT	3541.1	73541.1	1142/940 NT	11421940 NT		59.1	32369.1	32360.1	9910365 NT	9910365	6844.1	3210.2
	Most Similar (Top) Hit BLAST E Veltue	3.0E-63 BEB	3.0E-63 BE87	2.0E-63 U07	2.0E-63	2.0E-63	2.0E-63	2.0E-63 ABO	2.0E-63 AB03	20E-83	2.0E-63 A	20E-63	2.0E-63	2.0E-63	2.05-63/	205-63	2.0E-63 BF37	2.0E-63 BF3	20E-63	2.0E-63		2.0E-83 U660	2.0E-63 ABO	2.0E-63 A.BO	2.0E-63	2.0E-83	2.0E-63 AB04	2.0E-63/A
	Expression	0.83	0.83	1.69	1.65	1.19	3.07	<u>2</u> .	1.54	2.02	1.05	16.	2.4	3.19	1.28	0.95	2.41	2.41	1.07	1.07		1.43	0.72	0.72	1.72	1.72	0.96	4.29
	ORF SEQ ID NO:	36533	36534	26440			27087	27834		28049	28407	29411	29544	30179	31096	31447	32509	32510	32842	32843	·	33403	33448	33440	33502	33503		35346
	Exan SEQ ID NO:	22947	17672	13419	13426	13704	14027	14750	14750	14955	15282	1	16529	<u> </u>	18117	25802	19190	19190	19487	19487		18894	20039	20039	20086	20086	, ,	, ,
	Probe SEQ ID NO:	2086	2066	198	203	510	8	1597	1597	1808	2148	3225	3357	4014	4988	8288	6005	8009	6315	8315		<b>8</b>	6887	2889	7222	7222	1967	8730

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	_	_	_						_	_		_				_					_										
Top Hit Descriptor	Homo sapiens kinesin family member 38 (KIF3B), mRNA	Homo sapiens kinesin family member 38 (KIF3B), mRNA	Homo sepiens chromosome 21 segment HS21C018	2018b05.81 Soares, Jena Jung NbH1.19W Homo sapiens cDNA clone IMAGE:302285.3' stmiler to gbX17208 40S RIBOSOMAL PROTEIN S4 (HUMAN);	Homo sapiens neureán III-apha gene, partial cds	Homo sapiens neurewin III-alpha gene, partial cds	Homo saplens aconitase 2, mitochondrial (ACO2), mRNA	Homo sapiens calcium channel, voltage-dependent, alpha 11 subunit (CACNA11), mRNA	Homo saplens gene for AF-6, complete cds	Mus musculus wingless-related MMTV integration site 3A (Wnt3a), mRNA	Mus musculus wingless-related MMTV integration site 3A (Wnt3a), mRNA	HSCZVD111 normalized Infant brain cDNA Homo sepiens cDNA clone c-zwd11	HSCZVD111 normalized Infant brain cDNA Homo sapiens cDNA clone c-zvd11	Homo saplens Xq pseudoautosomal region; segment 2/2	QV0-ST0216-060100-083-b09 ST0215 Homo sepiens cDNA	UI-H-BIS-alt-h-02-0-UI s1-NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:3068763 3'	UI-H-BIS-aith-02-0-UI.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clane IMAGE:3068763 3'	Homo saplens chromosome 21 segment HS21C047	Homo saplens chromosome 21 segment HS21C007	UI-HF-BK0-ead-b-09-0-UI-1 NIH_MGC_36 Homo sepiens cDNA clone IMAGE:3053153 5	tm50b07.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:21616263'	601155232F1 NIH_MGC_21 Homo sepiens cDNA clone IMAGE:3139038 5'	601508968F1 NIH_MGC_71 Hamo sepiens dDNA clane IMAGE:3910336 5	Homo sapiens Ran GTPase activating protein 1 (RANGAP1), mRNA	yb98b02.r1 Strategene king (#837210) Homo sapiens cDNA clone IMAGE:79179 5	601311455F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3633204 5	Homo sapiens thimet oligopeptidase 1 (THOP1) mRNA	Homo eaplens thimet aligopeptidase 1 (THOP1) mRNA	Homo sapiens EWS, gar22, mp22 and barn22 genes	wbs1e07x1 NCI_CGAP_GC8 Homo sepiens cDNA clone IMAGE:2309220 3' similar to glx:M15182 BETA- GLJCURONIDASE PRECURSOR (HUMAN);	wb51e07x1 NCI_CGAP_GC9 Homo septens cDNA clone IMAGE:2309220 3' similar to gb:M15182 BETA- GLUCURONIDASE PRECURSOR (HUMAN);
Top Hit Database Source	NT TA	ĮĄ.	F	EST_HUMAN	١	¥	ħ	NT	NT	IN	¥	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	Į,	<b>EST_HUMAN</b>	EST_HUMAN	NT	NT.	NT	EST_HUMAN	EST_HUMAN
Top Hit Acessian No.	11420949 NT	11420949 NT	2.0E-63 AL163218.2	2.0E-63 N78945.1	AF099810.1	2.0E-63 AF099810.1	11418185 NT	11418167 NT	AB011399.1	7106446 NT	7106446 NT	582	1.0E-63 F08485.1	AJ271736.1	1.0E-63 AW562266.1	AW451950.1	1.0E-83 AW451950.1	1.0E-63 AL163247.2	1.0E-63 AL163207.2	9.0E-64 AW401433.1	Al478186.1	BE280796.1	BE885755.1	11418177	51.1	4321.1	4507490 NT	4507490 NT	48.1	A.1651992.1	A 1651 992.1
Most Similar (Top) Hit BLAST E Value	2.0E-63	2.0E-63	2.0E-63	20E-63	20E-63 AF0	2.0E-63	2.0E-63	20E-63	2.0E-63 AB0	1.0E-83	1.0E-63	1.0E-63 F08-	1.0E-83	1.0E-63 A.12	1.0E-63	1.0E-63 AW4	1.0E-83	1.0E-83	1.0E-63	9.0E-64	9.0E-64 AH7	8.0E-64 BE2	8.0E-64 BE8	8.0E-64	8.0E-84 T606	7.0E-64 BE39	7.0E-64	7.0E-64	7.0E-64 Y078	6.0E-64 AI85	6.0E-64 AKS
Eqression Signal	0.94	0.94	1.2	10.73	2.89	2.89	3.64	1.19	1.37	1.55	1.65	3.31	3.31	1.73	1.38	0.68	0.68	2.97	8.88	0.61	6.57	3.45	3.51	2.79	3.68	0.74	6.34	6.34	2.62	6.73	5.73
ORF SEQ ID NO:	35879	08898	36778	37699	37728	37729		31940		27016		30579	30580	31647	32388	33058	33069			32598	34654		32791				30974	30975	30865	28002	28003
Exan SEQ ID NO:		L.		24064	24091	24091	25929		25760	13965	13065	17601	17601	18668	19078	19688	19688	21748	26047	19270	21134	14237	19442	25148	25185	16782	17987	17987	23274	14909	14909
Probe SEQ ID NO:	9254	9254	10143	10985	11012	11012	12380	13101	13172	786	786	4461	4461	5468	9830	6521	6621	8868	13121	6083	8051	1071	6268	12187	12243	3818	4854	4854	10239	1760	1760

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Top Hit Descriptor	AV711714 DCA Homo sapiens cDNA done DCAAMCO1 5	H. saplens Isoform 1 gene for L-type calcium channel, exon 28	UI-HF-BP0p-aix 005-0-UI:r1 NIH MGC 51 Hame septens cDNA dane IMAGE:3073161 6	RC8-FN0019-290600-011-G11 FN0019 Homo septens cDNA	Homo septems godgi metritx protein GM130 (GOLGA2) mRNA, complete cds	Homo sepiens golgi metrix protein GM130 (GOLGA2) mRNA, complete cds	bb72h12.y1 NIH MGC 12 Homo sepiens cDNA done IMAGE:3047975 6' similar to gb1.08069 DNA.J PROTEIN HOMOLOG 2 (HUMAN);	bb72h12.y1 NIH MGC_12 Homo septens cDNA done IMAGE:3047975 5' similar to gb1.08069 DNA.J PROTEIN HOMOLOG 2 (HUMAN):	Homo sapiens chromosome 21 segment HS210048	Homo saplens chromosome 21 segment HS21C046	EST389493 MAGE resequences, MAGO Homo sapiens cDNA	EST389483 MAGE resequences, MAGO Homo septens oDNA	Homo sepiens chromosome 21 segment HS21C046	Homo sapiens chromosome 21 segment HS21C046	Homo sepiens chromosome 21 segment HS21 C027	af08d08.s1 Soares, testis, NHT Homo saptens cDNA clone IMAGE:1031181 3'	Homo sapiens elF4E-like cap-binding protein (4EHP) mRNA	wo87b01.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMACE:2462281 3' similar to contains element L1 repetitive element;	Homo sapiens chromosome 21 segment HS21C048	Homo sapiens chromosome 21 segment HS21C046	EST370216 MAGE resequences, MAGE Homo sapiens cDNA	EST370216 MAGE resequences, MAGE Hamo sepiens cDNA	AU124387 NT2RW2 Hamo sapiens cDNA clone NT2RM2002113 5	Homo sapiens angiopotetin 4 (ANG4) mRNA, partial cds	602123474F1 NIH_MGC_56 Homo sepiens cDNA clone IMAGE:4280395 51	or28b03.x1 Scares, total fetus_Nb2HF8_9w Homo sapiens cONA clone IMAGE:1676717.31	H. sapiens dopamine receptor D5 peeudogene 1, partial ods	Homo sepiens ataxin 2-binding protein 1 (A2BP1), mRNA	Homo septens lymphocyte cytosolic protein 1 (L-plastin) (LCP1), mRNA	Homo septens lymphocyte cytosolic protein 1 (L-plastin) (LOP1), mRNA	AU132570 NT2RP4 Homo sepiens GDNA done NT2RP4000109 5
Top Hit Database Source	T HUMAN	Г	EST HUMAN	EST HUMAN		Z	EST HUMAN			Ę	Ī	Π	П	- N	- <del>-</del>	EST HUMAN		EST HUMAN	Į.	IN	EST_HUMAN I	EST HUMAN	EST_HUMAN /	I LN		EST_HUMAN C	INT IN				EST HUMAN
Top Hit. Acession No.	1V711714.1	3.0E-64 Z26273.1	AW 500861.1	3F370000.1	\F248953.1	VF248953.1	3E206521.1	3E206521.1	3.0E-84 AL163246.2		3.0E-64 AW977384.1	3.0E-64 AW977384.1	3.0E-64 AL163248.2		3.0E-64 AL163227.2	2.0E-64 AA609940.1	4757701 NT	7030.1	2.0E-64 AL163245.2			2.0E-64 AW958145.1			8537.1	387.1	85.1	11431054 NT	11434008 NT	4008	2.0E-64 AU132570.1
Most Similar (Top) Hit BLAST E Vatue	3.0E-64 AV7	3.0E-64	3.0E-64	3.0E-64 BF3	3.0E-64[/	3.0E-64 AF24	3.0E-64 BE20	3.0E-64 BE2	3.0E-84 /	3.0E-64/	3.0E-64	3.0E-64	3.0E-64 /	3.0E-64	3.0E-64	20E-84	2.0E-64	2.0E-64 A1927	2.0E-64	2.0E-64	2.0E-64	2.0E-64	2.0E-64 AU12	2.0E-84	2.0E-64 E	2.0E-64 AI078	2.0E-64 N	20E-64	2.0E-64	2,0E-64	2.0E-64
Expression Signal	1.83	1.31	. 0.68	3.2	1.88	1.86	1.48	1.48	1.12	1.12	99.0	99.0	1.54	1.54	2.16	1.1	3.2	1.28	24	2.4	0.98	0.98	2.28	1.23	5.04	1.3	2.96	0.67	1.08	1.08	1.09
ORF SEQ ID NO:	29705	32731	32997	33170	35281	35282	35303	35304	36251	36252	36349	36350	38248	38249	38679	27334	27655		28840	28841	30045	30046	32649	32900	33165	33272	33402	34552	35480	35481	36071
Exan SEQ ID NO:	16694		19638			21741	Z417Z	21172	22682	22082	22779	22778	24571	24571	24975	14277	14582	16717	15721	15721	17046	17046	18308	19541	19774	19881	19983	20g	21947	21947	22506
Probe SEQ ID NO:	3529	8208	6471	6822	8661	8861	8692	7598	2296	1298	9714	9714	11514	11514	11990	1112	1428	2682	2597	2597	3887	3887	6129	6372	6614	8724	6840	7980	888	8888	9431

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Γ							
Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vatue	Top Hit Acession No.	Top Hit Defeabese Source	Top Hit Descriptor
8213	22291	35834	4.63	6.0E-85	6.0E-65 AA427878.1	EST HUMAN	2453008 St Spares total fethis NEO-1990 Day Home continued to 1990 State of 1990 State
8276	22351	36902	0.62	8.0E-65	6.0E-65 Al085314.1	EST HUMAN	of 18405 of NCI CSAP Bross Home contract CNA Activities and Contract Contract CNA CONTRACT CO
9275	22351	<b>25903</b>	0.62	8.0E-65	8.0E-65 A1085314.1	EST HUMAN	of 8405 of NG COAP Bross Home content of the line of t
11113	24185	37817	3.58	6.0E-65	6.0E-65 BE567816.1	EST HUMAN	601340485F1 NIH MCC 53 Home emicro CNA July 100 Constant Transfer To Constant Transfer Transf
11294	24360	38004	4.18	8.0E-85 BF3	BF340825.1	EST HUMAN	60203777F1 NCI CGAD BINGA LIAMS CONTRACTOR IN CONTRACTOR CONTRACTO
11788	24778	38475	1.86	6.0E-85	6.0E-65 AL 163210.2	L	Homo satiens chromosome 24 someon HS24/O40
848	13833	28859	1.89	5.0E-65 AF00	AF064604.1	IN	Homo saniens KEO3 punielo mRNA periisi Aca
1384	14539	27613	1.92	5.0E-65	7681951 NT	¥	Homo saniena KIAAMS6 perse moding (VIAA 60158) — Data
1384	14539	27614	1.92	5.0E-65	7661951 NT	Į.	Homo saniens KIAAMER nene month of VIAAA EST DELLA
2223	15357	28487	1.07	6.0E-65/ABO		¥	Homo septeme hp A D. Ardond O. Market J. H.
3328	16501	29519	1.78	6.0E-85	4507848	Ę	Homo sanless in National and the contract of t
28	16501	29520	1.78	5.0E-85	4507848 NT	L	Ham sarions Infamilia provide methods 49 (1
7009	20144	33563	1.38	5.0E-65	4504608 NT		Homo sapiens interferonmented deschipmented population 1 Appoint
10684	23718	37324	1.36	5.0E-85	5.0E-85 AF009668.1		Vulling sciences associated references and the control of the cont
198	13421	26452	13	4.0E-65/		T HUMAN	DKFZp761G108 r1 761 (syndrym: hamv2) Homo seniens cDNA choso DKFZp784 (240 m
784	13945	26991	<u>8</u>	4.0E-65 AI266	468.1	EST HUMAN	TRABETA of Scarce planeate Strongology Structure and the strong Strongology St
\$	13945	26962	ķ	A DE GE Aloos	, 007		TOTAL SEPTEMBER CON COMPANY CONTROL SEPTEMBER CON COMPANY COMP
1188	14268	27326	4	4 0F 65	482872E	L L	GM466VTX1 Soares, placenta_8tc9weeks_2NbHP8tc9W Homo sepiens cDNA clone IMAGE:1891800 3'
1515	14668	27751	24.94	4 OF-65	AFORBRA NT		India squeris ingre A menual rearreation, guitosomal homolog 1 (FXR1), mRNA
2413	16543	28670	1.02	4.0E-65 BE22	1469.1	T HI IMAN	Program of CGAD MARE LINE (ROLLS4) MICHA
2413	15543	28671	1.02	4.0E-65 BE22	1469.1	Г	NUSEOLAY NOT CIGAD MAIS Home explains CANA Jan 1144 CE 2272.200
6284	19457	32807	4.96	4.0E-65 AB03	3093.1	Т	Homo sepiers mRNA for KIAA1367 protein merical adde
6284	19457	32808	4.98	4.0E-65 AB03:	3093.1		Homo seciens mBNA for Klad 1287 reptein period Ad-
2233	20317	33760	99.0	4.0E-65 AYDO	3721		transenter metern kinding perfect of the Cas
7286	20349	33801	5.04	4.0E-65 M198	79.1		Himse clabified 27 news are 200 for the first of the firs
7368	20447	33910	2.3	4.0E-65	11545780		Hand series hypothetical protein D 127007 / D 120007
7721	20785	34273	0.65	4.0E-65 U40372.1			Impa 3 F mile indestite the Later (Later Later)
77.2H	20785	34274	0.65	4.0E-85 U403	72.1		Hand 2's cycle independent and the control of the c
7933	21043	34555	0.67	4.0E-65 U396	96.1		Himan MAP khoose khoose (MKVS) - Data
8025	21108	34624	0.83	4.0E-85	5453785		Homo saniene no (Ahlakaa) 18.0 3 Aug 13.
8025	21108	34625	0.83	4.0E-65	5453765 NT		Homo septiens nel Chicken Like 2 (NET 2), mona
8346	22422	35975	0.88	4.0E-65	11429127 NT		Homo seriens Jerus kinese 2 (a protein traceine kinese) ( IAV2) — DATA
							WANTH (TARLA) (ASSESSMENT)

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11360 12805 13201 100 1689 3350 3490 6966 6966 10274 11872 11872 10872 10892 10892 12241 12241 12241 12241 12899 1	23864 24422 24422 24422 13336 15890 16975 16975 16975 16975 16975 27125 27	28078 28452 28452 28452 28462 28638 28638 386905 37608 37608 37608	Signal Signal 1,98	4.0E-65 AL27 4.0E-65 AL12 4.0E-65 AL12 4.0E-65 AL12 4.0E-65 AL12 3.0E-65 AL12 3.0E-65 A000 3.0E-65 A000 3.0E-65 A000 3.0E-65 A000 3.0E-65 A000 3.0E-65 A000 2.0E-65 AA30 2.0E-65 BF57 2.0E-65 AA30 2.0E-65 BF57 2.0E-65 BF57 1.0E-65 BF73 1.0E-65 BF73 1.0E-65 BF73 1.0E-65 AA30 1.0E-65 AA30 1.0E-65 AA30 1.0E-65 AA30 1.0E-65 AA30 1.0E-65 AA30	No. No. No. 17546.2 19846.1 482673.2 60419.1 4504626 6912385 6912385 6922.1 6922.1 6922.1 6922.1 6922.1 6922.1 7804.1 7804.1 7804.1 7604.1 6028.1 7604.1 6028.1 602	Source Source Source T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN	Home septens WEE1 gene for protein kinses and partial ZNF143 gene for zhor finger transcription factor Home septens WEE1 gene for protein kinses and partial ZNF143 gene for zhor finger transcription factor Home septens PRO1474 mRNA. complete ods Home septens Regiles 7 mental retardation, autosomel homotog 1 (FXR1), mRNA Home septens Regiles 7 mental retardation, autosomel homotog 1 (FXR1), mRNA Home septens PRO-di olorny-channoing factor (PBEP) mRNA, and translated produces Home septens HZP3 mRNA for zho finger protein Home septens HZP3 mRNA for zho finger protein Home septens inmunoglobin superfamily, member 3 (ESF3) mRNA, and translated products MSR1 repetitive element; Home septens taminni. Detail (LAMB1), mRNA ovz3703 s.1 Soarea_ bestis "NHT Home septens cDNA clone IMAGE-1638173 3' similar to contains element MSR1 repetitive element; Home septens taminni. MGC_88 Home septens cDNA clone IMAGE-16382405 5 B0213608287 NIH_MGC_88 Home septens cDNA clone IMAGE-3382405 5 B021345861 States bestis NIHT Home septens cDNA clone IMAGE-3382405 5 B021345861 States bestis NIHT Home septens cDNA clone IMAGE-3382405 5 B021345861 NIH_MGC_81 Home septens cDNA clone IMAGE-3382411 5 B021345861 States mRNA for FL00056 protein, partial cds Home septens mRNA for FL00056 protein, partial cds Home septens WIVINF reduct matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 (SNARCD3), mRNA EST178755 Colon carchome (HCC) cell line Home septens cDNA done IMAGE-328361 NIH_MGC_27 Home septens cDNA done IMAGE-328361 NIH_MGC_27 Home septens cDNA done IMAGE-328361 NIH_MGC_27 Home septens cDNA done IMAGE-328361 STATE SAMBENS), mRNA EST178755 Colon carchome (HCC) cell line Home septens cDNA done IMAGE-4028501 F Home septens mRNA for FL00056 protein, partial cds Home septens mRNA for PL00056 protein, partial cds Home septens mRNA for PL00056 protein, partial cds Home septens pNA, DLEC1 Home septens cDNA done IMAGE-3028050 F Home septens pNA, DLEC1 to ORCTL4 gene regirn, section 112 (DLEC1, ORCTL4 genes, contractors)
	15238	28360	1.48	1.0E-65	$\prod$		Homo sapiens mRNA for KIAA1513 protein, partial cds
	16625	28645	0.8	1.0E-65	1.0E-65 BE466681.1	T_HUMAN	hz24e09x1 NCI_CGAP_GC8 Homo sepiens cDNA clone IMAGE:3208888 3'
4105	17259	30259	207	1.0E-65	4504082 NT		Hamo sepiens glypican 4 (GPC4) mRNA

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					2		Single Extended Expressed in Placenta
Probe SEQ ID NO:	SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hii Acession No.	Top Hit Deterbese Source	Top Hit Descriptor
4105			207	1.0E-65	4504082 NT	Į.	Homo sepiens alvairan 4 (GPCA) mRNA
4323	17468	30451	253	1.0E-65 AW	88	EST HUMAN	WOGGORY NO CRAP God Home series 20NA ales 1140 Close società
4323	17468	30452	253	1.0E-65 AW		EST HUMAN	WOGGODY NO COAP Good Home content of the little content of the con
5143		·	1.57	1.0E-65 AW		EST HUMAN	2020-01-x1 NCI CGAP HV10 Hymo contains cONA aless 144 CE 527 2200-01
5143		31236	1.67	1.0E-65 AW.	AW238282.1	EST HUMAN	2020c01 X NOT CGAP HAID Home contains CONT also 114 CE 27 April 2
5400	18602	31572	0.86	1.0E-65	1.0E-65 BE089509.1	EST HUMAN	0/0-BT0702-170400-194-Mg RT0702-Home contact chair invalce: 2/ 40090 3
2400	18602	31573	0.86	1.0E-65	1.0E-65 BE089509.1	EST HUMAN	QV0-BT0702-170400-194-f09 BT0702 Homo saniens cDNA
5594	18789	31837	0.58	1.0E-65 AI24	AI243738.1	EST HUMAN	qh88h07.x1 Soeres_NRL_T_GBC_S1 Homo sapiens cONA clone IMAGE:1854109 3' similar to TR:Q07823 G07823 MAC30 PROTEIN .
8448	21529	35057	1.5	1.0E-85	1.0E-65 AW820481.1	EST HUMAN	OV2-ST0298-14020-042-512-ST0208-Home continue -DNA
8448		35058	1.5	1.0E-65	1.0E-65 AW820481.1	EST HUMAN	OV2-ST0298-14020-042-619-ST0298-Home sentings OV1-
8475	21556	35088	99'0	1.0E-65 BE7	BE732118.1	EST HUMAN	601568124F1 NIH MGC 21 Home caniens of NIA Alexa 114A C 2044A42 F
8476	ı	35089	99'0	1.0E-65 BE7	3E732118.1	EST HUMAN	801568124F1 NIH MGC 21 Hamp serviers CDNA dame MAGCE-3841012 5
8514	ľ	35129	2.04	1.0E-65 AU1	AU141295.1	EST HUMAN	AU141295 THYRO1 Homo series cDNA close THYRO1000058 57
8514	21595	35130	204	1.0E-65 AU1	41295.1	EST HUMAN	AU141285 THYRO1 Homo serviers CONIA close THYRO1000358 E
88	22120	35682	101	1.0E-65 BF69	38707.1	EST HUMAN	602126239F1 NIH MGC 56 Homo seniens cDNA close IMACE 4282343 F
822	22300	35843	1.33	1.0E-65 AU1;	29040.1	EST HUMAN	AU128040 NT2RP2 Homo saniens cDNA clove NT2RP274474 F
8222	_ [	35844	1.33	1.0E-65 AU1:	29040.1	EST HUMAN	AU129040 NT2RP2 Homo serviens cDNA clane NT2RP200414 5
<u>88</u>	_ [		2.79	1.0E-65	11431994 NT	F	Homo sapiens incelled 1.4.5 friphosophere recentre Ame 1 (TTPR4) mRNA
8309	22386	35937	0.55	1.0E-65	7662227 NT		Homo sepiens KIAA0656 gene product (KIAA0656) mRNA
8678	22640	36210	9.0	1.0E-65 AI19	716.1	EST HIMAN	9d58802.x1 Sogres_testis_NHT Homo sapiens cDM, clone IMAGE:1733450 3' similar to gb:M29581 ZINC : FINGER PROTEIN 8 (HI MANN CONTACT NICES OF A LIFE OF A LIF
10089	23127	36730	1.32	1.0E-65	Ī	Т	AU153783 NT2RP3 Home septems cDNA clone NT2RP3/man16 3"
10509	2364	37155	0.65	1.0E-65	9559.1	EST HUMAN	275804.11 Scares pineal cland NOHPG Homo saniens conta clone IMAGE 282774 F
10796	888	37453	1.23	1.0E-65 AB03	7832.1	¥	Homo sepiens mRNA for KIAA1411 protein, partial cds
10885	23000	37599	1.91	1.0E-65 M261	67		Hunan pistelet factor 4 varation 1 (PE4ser1) neme commisse cole
11016	24095	37734	6:36	1.0E-65	4506880 NT		Homo saplens ribosomal protein L7a (RPL7A) mRNA
1386	24456	38118	1.9	1.0E-65 B	1.0E-65 BF698707.1	HUMAN	802128239F1 NIH_MGC_56 Homo saplens cDNA clone IMAGE:4283313 ST
11486	24545	38217	2.58	1.0F-85 AIR21	017.4	EST HIMAN	ts78s06.xf NCI_CGAP_GC8 Homo sapiens cDNA clone IMAGE2237170 3' similar to glx:L15633_ma1
12292	25217		238	1.0E-66	11418041		Homo seciens TNF-inducible profess C312-1 (C312-1) mbn/a
12391	25276	32078	3.77	1.0E-65	11418322 NT		Homo sablens cadhain EGE   AG causanges C Appa seconds 4 (CE) CD4)
R	13310	28334	6.0	9.0E-66 A	9.0E-66 AL160311.1		Novel human gene manoing to chambersome 22
73	13310	26335	0.9	9.0E-66 AL160			Novel human gene mapping to chamosome 22

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Table 4
Single Exon Probes Expressed in Placenta

	Top Hit Descriptor	Homo sapiens 26S proteasome-associated pad1 homolog (POH1) mRNA	Homo sapiens 28S proteasome-associated pad1 fromdog (POH1) mRNA	Human transposon-like element, partial	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete cds	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete cds	RC4-BT0311-141199-011-h06 BT0311 Homo sepiens cDNA	wn57h07x1 NCI_CQAP_Lu19 Homo sapiens cDNA clane IMAGE:2449597 3' similar to WP:F15G9.4A CE18595 :	wn57h07x1 NCI_CGAP_Lu19 Homo sapiens cDNA clone IMAGE:2449597 3' similar to WP:F15G9.4A	CE18595;	wn57h07x1 NCI_CGAP_Lu19 Homo sapiens cDNA clone IMAGE:2449597 3' similar to WP:F15G9.4A	CE18595;	PM2-HT0604-030300-001-b06 HT0604 Homo sapiens cDNA	H.saptens mRNA for ribosomal protein L31	RC4-BT0311-141198-011-h06 BT0311 Homo sapiens cDNA	Homo sapiens thyroid hormone receptor binding protein (AIB3), mRNA	Mus musculus fragile X mental retardation syndrome 1 homolog (Fmr1), mRNA	RC1-NN0063-100500-022-e02 NN0063 Homo saplens cDNA	H.sapiens DNA for endogenous retroinal like element	Homo saplens germ-line DNA upstream of Jikappa locus	Hunan andogenous retrovirus, complete genome	Homo sepiens methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methenyfletrahydrofolate	cyclonydrolase (MTHD2), mrdvA	V1-D70689-110200-067-g10 D70069 Homo sapiens cDNA	EST377546 MAGE resequences, MAGI Homo sapiens cDNA	Homo septiens cAMP-regulated guenine nucleotide exchange factor I (cAMP-GEFI) mRNA, complete eds	Homo sapiens methylene tetrahydrofolate detydrogenase (NAD+ dependent), metherylitetrahydrofolate	cyclohydrolasse (MTHFD2), mRNA	Homo sapiens hypothetical protein FL/20116 (FL/20116), mRNA	Human endogenous retrovirus pHE 1 (ERV9)	UI+H-BW1-emr-e-10-0-UI.s1 NCI_CGAP_Sub7 Homo sepiens cDNA done INAGE:3070747 3"	Homo sapiens mRNA for KIAA0998 protein, partial cds
TopH	Database			1) IN	-IN	NT IN	EST_HUMAN R	FST HUMAN	Т	EST_HUMAN C		EST_HUMAN C	EST_HUMAN F	П	EST HUMAN F			EST_HUMAN	_					EST HUMAN C	EST HUMAN E	<del></del>				¥	T_HUMAN	Į.
Ton III A carelon	d A	5031980 NT	5031980 NT	299.1	193.1		7.0E-86 BE064410.1			6.0E-66 AI924653.1		1653.1	78583.1	81.1	14410.1	11420557 NT	6679816 NT	4.0E-66 AW897798.1	11.1	4.0E-86 AJ223384.1	9635487 NT		8	4.0E-66 AW939119.1	4.0E-66 AW965473.1	188.1		11428643 NT	11421638 NT	47.1		4.0E-66 AB023215.1
1 10	BLAST E	9.0E-88	9.0E-88	9.0E-66 M87	9.0E-66 M72	9.0E-66 MTZ393.1	7.0E-86	8.0F.466		6.0E-66		6.0E-86 A192	6.0E-86 BE17	6.0E-66 X691	5.0E-88 BE06	5.0E-66	4.0E-86	4.0E-66	4.0E-66 X892	4.0E-86	4.0E-66		4.0E-86	4.0E-66/	4.0E-66	4.0E-86/U781		4.0E-66	4.0E-66	4.0E-08 X571	4.0E-86	4.0E-86/
	Signed	1.53	1.53	5.83	0.08	99.0	1.6	4		1.16		1.16	0.48	3.22	2.45	8.4	1.8	76.0	5.3	3.15	5.02		3.67	0.87	4.91	7.88		0.83	6.14	7.0	1.49	1.63
000	ON O	27615	27616		30171			30605		30606		30607		38152	27627	36113			<u>.</u>					82358	31506	33817			34867	34936		38430
Exem	SEQ ID NO:	14540	14540	14666	17164	Ĺ	24708	17625	1	17625		17625	21709	24488	14552	22551	13992	14924	15486	1568	18035	L	[	19051	18514	20364	1.	18862	21351			
Probe	SEQ ID NO:	1385	1385	1513	4007	4007	11628	4485		4485		4485	8620	11427	1398	<u>8</u>	813	1775	2355	2543	4905		8898	5861	9669	7284		7807	8269	8327	10896	11660

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ORF SEQ Expression (Top) Hit Top Hit Acassion (Top) Hit Top Hit Descriptor Signal BLAST E No. Source	Homo sapiens solute carrier family 25 (mitochondrial cerrier; edenine nucleotide translocator), member 5 (SLC26A5), nucleer gene encoding mitochondrial protein, mRNA	Z7693 14.89 3.0E-66 4502098 NT	28290 1.04 3.0E-66 N56323.1 EST_HUMAN	28291 1.04 3.0E-66 NE5323.1 EST HUMAN	28292 1.04 3.0E-66 N55323.1 EST_HUMAN	28997 3.44 3.0E-66 11141880 NT	28367 7.29 3.0E-66 7662223 NT	31823 0.85 3.0E-66 AB020699.1	32180 0.66 3.0E-66 M13975.1 NT	32391 1.72	32392 1.72	34134 1.74 3.0E-66 X92211.1 NT	36361 0.59 3.0E-66 AK024453.1 NT	36547 0.52	36911	1 37386 0.95 3.0E-66 AF155659.1 NT Homo sapiens molybdenum cofactor blosysthesis protein E (MCBPE) mRNA, complete cds		26304 1.48 2.0E-68 7657334 NT	28306 1.48	22 20 0	וון לאנטטנד מיבוניא וויים מיבוניא	26236 0.87 2.0E-68 4505524 NT products originated suburity Suburity (yeast namong)-like (UNCOL) mixtur, and translated	28128 2.02 2.0E-88 AL163301.2 NT Homo sapiens chromosome 21 segment HSZIC101	1.07	29788 0.85 2.0E-86 8923290 NT	30019 0.78 2.0E-66 AL117233.1 NT	30317 0.69 2.0E-66 AF108399.1 NT Homo sepiens sodium/calcium exchanger isoform NaCa3 (NCX1) mRNA, complete cds
						78897	Ш				32382	34134						26304	28306		l		28126		29788		
Exan D SEQ ID NO:	14611	14611	15180	15180	15180	72 15887				1		5 20657				1 23774			52 13291	1933E	_1_	5 13235	3 15017	9 16215			6 17326
Probe SEQ ID NO:	1458	1458	2039	2039	2039	2772	3186	5583	9699	5833	5893	758	9725	8920	10278	10741	11800	9	47	367		435	1873	3039	360	3861	4176

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Top Hit Descriptor	Homo sepiens HLA-B gene for human leucocyte antigen B	Homo sepiens HLA-B gene for human leucocyte antigen B	EST380930 MAGE resequences, MAGJ Homo sapiens cDNA	EST380930 MAGE resequences, MAGJ Homo sapiene cDNA	1959002.r1 Source_multiple_solerosts_2NbHMSP Hamo septens aDNA clone IMAGE:277826 5	Homo sapiens G-2 and S-phase expressed 1 (GTSE1), mRNA	601508376F1 NIH_MGC_71 Homo sapiens cDNA clone IMAGE:3909931 57	AV717817 DCB Homo sepiens cDNA clone DCBADC07 5'	AV717817 DCB Homo sapiens cDNA clone DCBADC07 6	AV717817 DCB Homo sepiens aDNA clone DCBADC07 5'	AV717817 DCB Homo sepiens dDNA clone DCBADC07 5	602152886F1 NIH_MGC_81 Homo sepiens cDNA done IMAGE:4294151 5	IL2-NT0101-280700-116-E04 NT0101 Hamo sepiens dDNA	IL2-NT0101-280700-118-E04 NT0101 Homo sapiens dDNA	RC5-BN0193-010900-034-G08 BN0183 Homo sapiens cDNA	8880e04.s1 NCI_CGAP_GCB1 Homo septems cDNA done IMAGE:827282 3	2657e12.r1 Soares refina N2b4HR Homo sepiens cDNA clone IMACE:363118 5	AV748749 NPC Homo saptens cONA clone NPCBVA05 5	AV748749 NPC Homo sapiens cDNA clone NPCBVA05 5	Homo saplens fun dimerzorien profein gene, partial cuts: cfos cene, complete cuts: end unicomm nema	Homo septens Ran GTP ase activating protein 1 (RANGAP1), mRNA	EST01750 Subtracted Hippocampuls, Stratagene (cat. #839205) Homo sapiens cDNA done HHCPN31 similar to L1 repetitive element	eu/5d02xf Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2782083 3' similar to gb:M37104	ALL STATE CONTINUE FOUND OF MILITARY FRECURSOR (FLUMAN).	ES 198812 Tests I Homo sapiens cDNA 5 end similar to similar to C. elegans hypothetical protein, cosmid (2/0363)	zh56b05.r1 Soeres febal Iver splean 1NFLS S1 Homo septems cDNA clone IMAGE:416049 5	zh56b05,r1 Soares_fetal_fiver_spieen_1NFLS_S1 Homo sepiens cDNA clone IMAGE:416049 5	Homo sepiens inosital 1,3,4-triphosphate 5/8 kinase (ITPK1), mRNA	Homo sapiens inositid 1,3,4-triphosphate 5/6 kinase (TTPK1), mRNA	au/7602.x1 Schneider fetal brain 00004 Homo sapiens cDNA done IMAGE:2782083 3' similar to gb:M3710.4 ATP SYNTHASE COUPLING FACTOR 6, MITOCHONDRIAL PRECURSOR (HUMAN);
Top Hit Databese Source	NT.	¥	EST_HUMAN	EST_HUMAN	EST_HUMAN	N.	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	M	EST HUMAN	FOT LIBRARI	EST TOWAR	EST HUMAN	EST HUMAN	EST_HUMAN		MT	EST_HUMAN
Top Hit Acessian No.	2.0E-66 AJ133267.2	2.0E-68 AJ133267.2	2.0E-66 AW968854.1	2.0E-66 AW968854.1	2.0E-66 N45480.1	11418318 NT	BE887173.1	AV717817.1	AV717817.1	AV717817.1	4V717817.1	1.0E-66 BF673088.1	BE765232.1	3E765232.1	1.0E-86 BF328623.1	1.0E-66 AA668858.1	A018828.1	4V748749.1	1.0E-66 AV748749.1	AP111167.2	11418177 NT	W78158.1	110 4000000 4	- 1	7.0E-67 AA383416.1	7.0E-67 W85947.1	7.0E-67 W85947.1	7657243 NT	7667243 NT	W 162232.1
Most Similar (Top) Hit BLAST E Vaiue	2.0E-68	2.0E-68	2.0E-66	2.0E-66	2.0E-68	2.0E-88	1.0E-88 BES	1.0E-68 AV7	1.0E-68 AV7	1.0E-66 AV7	1.0E-66 AV7	1.0E-68	1.0E-00 BE7	1.0E-86	1.0E-86	1.0E-86	1.0E-86 AAD	1.0E-66 AV7	1.05-66	1.0E-86 AF11	9.0E-67	8.0E-67 M78	7.00 07.0	1.00.01	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67 AW
Expression Signal	13.88	13.88	0.82	0.82	3.67	284	1.14	1.47	1.47	4.18	4.18	283	0.67	79.0	1.53	1.2	990	850	0.93	2.24	1.92	0.84	8	3:	2.68	1,39	1.39	1.94	1.94	1.36
ORF SEQ ID NO:	L	66808	32436	32437	35671			29153	29164	29153	29154		32402	32403	33548	35271	36250	37223	37224	37889			28886	3	27641	27817	27818	28350	28351	20005
Exen SEQ ID NO:	17913	17913	19123			26147	14867	16136	16136	16736	16136	18696	19089	19089	20131	21732	22681	23617	23617	24254	25278	18162	43630	2000	14567	14737	14737	15229	15229	13628
Probe SEQ ID NO:	4778	4778	5837	5837	9048	12637	1717	2959	2929	4204	4204	5497	0069	2800	7078	8662	9296 -	10582	10582	11185	12398	5034	304	3	1413	1585	1585	2089	2089	2871

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Top Hit Descriptor	Homo saplens zinc finger protein 304 (ZNF304), mRNA	Homo sepiens adaptor-related protein complex 2, beta 1 suburit (AP2B1), mRNA	Homo sapiens adaptor-related protein complex 2, beta 1 subunit (AP2B1), mRNA	Homo septens ATPese, H+ transporting, lysosomal (vecuolar proton pump) non-catalytic accessory protein 14 (10/1660) (ATPENIA) mRNA	Homo saplens mitochondrial carrier family protein (LOCSS972), mRNA	Homo saplens mitochondrial carrier family protein (LOC56972), mRNA	Homo sapiens phosphodiesterese I/nucleotide pyrophosphatase 3 (PDNP3) mRNA	Homo sepiens latent transforming growth factor beta binding protein 2 (LTBP2) mRNA	Homo saplens refinaldehyde dehydrogenese 2 (RALDHZ), mRNA	Homo sapiens fucosyltransferase 8 (apha (1,6) fucosyltransferase) (FUTB), mRNA	Human cytochrome oxidase subunit Via (OOX6A1P) psaudogene, complete cds	Homo sapiens low density [booprotein-related protein 2 (LRP2), mRNA	Homo saplens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens gene for AF-8, complete cds	Homo sapiens calcium channel, voltage-dependent, alpha 2/defta subunit 1 (CACNA2D1), mRNA	H.sepiens mRNA for acetyl-CoA carboxylase	Homo sapiens mRNA for transmetrane receptor protein	Homo sapiens PMP69 gene, exans 3,4,5,6 & 7	Homo sapiens retinoblastoma 1 (including osteosarcoma) (RB1) mRNA	Homo sapiens Synapsin III (SYN3) mRNA, and translated products	Homo sapiens Synapsin III (SYNS) mRNA, and translated products	Homo sapiens chromosome 21 segment HS21C001	Hamo sapiens chromosome 21 segment HS21C001	Homo sapiens DKFZp434P211 protein (DKFZP434P211), mRNA	Homo saplens DKFZp434P211 protein (DKFZP434P211), mRNA	H.sapiens mRNA for acetyl-CoA carboxylase	Hamo sepiens T cell receptor beta locus, TCRBV7S3A2 to TCRBV1252 region	PM3-BN0178-100400-001-g04 BN0176 Homo sapiens cDNA	yn02d11.r1 Soares edult brain N2b4HB55Y Homo sapiens oDNA done IMAGE:167253 5	o28co5.x6 NCI CGAP_KKB Homo septens cDNA ckme IMAGE:1483288 3' similar to SW:233A_HUMAN   C06730 ZINC FINGER PROTEIN 33A:	RC0-HT0834-150600-026-c03 HT0834 Homo saplens cDNA
Top Hit Databese Source	NT	NT.	LN LN	       	Ę	Ę	¥	Ę	Ę	Þ	¥	Ę	¥	LN.	FX	Ę	TN	NT	5	マ	부	. TN	NT	<b>-</b> 1	누	LN L	F	EST HUMAN	EST_HUMAN	EST HUMAN	П
Top Hit Acessian No.	10190695 NT	11426572 NT	11425572 NT	4885084 NT	11419212 NT	11418212 NT	4826895 NT	4557732 NT	10835044 NT	11434579 NT	86.1	11430460 NT	11430460 NT	1399.1	11421527 NT	X68968.1	1.122712	Y14320.1	4506434 NT	4607332 NT	4507332 NT	3201.2	8	7657020 NT	7857020 NT	28.1	9880.1	0038.1	19.1	4.0E-67 AI733032.1	
Most Similar (Top) Hit BLAST E Vetue	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67 U824	7.0E-67	7.0E-67	7.0E-67 ABO1	7.0E-87	6.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67 AL16:	6.0E-67 AL16	8.0E-67	8.0E-67	6.0E-67 X6896	5.0E-67 AF00	5.0E-67 BE01	4.0E-67 R908	4.0E-67	4.0E-67
Expression Signal	0.08	1.67	1.67	1.12	0.99	0.99	0.52	0.7	0.08	2.42	2.02	4.05	4.05	1,82	1.74	1.09	2.4	1.07	1.39	132	1.32	0.92	0.92	222	2.22	2.74	2.26	2.17	1.13	0.8	1.48
ORF SEQ ID NO:	32730	32830	32831	33425	34358	34359	34857	35134	35756		38660	38829	38830	32053		26788	27051	27524	29428	29698	20600	30375	30376	30947	30948	26788	20486		27588	34813	
SEQ ID NO:	19380	19569	19569	20015		20864		21599	22211			26131	25131	25441	25721	13765	13997	14468	16411	16689	16880	17389	17389	17960	17960	13765	18467	24290	14514	21298	21657
Probe SEQ ID NO:	6205	6400	6400	8863	7809	7809	8258	8518	9132	11585	11973	12168	12168	12684	13106	573	818	1302	3237	3524	3524	4243	4243	4827	4827	13224	3283	11230	1350	8211	8576

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					0		
Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Detabase Source	Top Hit Descriptor
11318	24381		1.76	4.0E-67 AA71	AA714294.1	EST_HUMAN	mw08e01.s1 NG_CGAP_SS1 Hamo capiens dDNA clare IMAGE:1238472 3' similar to TR:010365 010365 PR0-P0L-DUTPASE P0LYPROTEIN ;
2874	13835	20802	2.03	3.0E-67 AA33	AA333768.1	EST_HUMAN	EST37903 Embryo, 9 week Homo saplens cDNA 5 end
3542	16707	L	205		3.0E-67 BE084410.1	EST_HUMAN	RC4-BT0311-141199-011-h06 BT0311 Homo sapiens cDNA
4816	17949	30934			3.0E-67 AW 869159.1	EST_HUMAN	MR3-SN0066-040500-008-f01 SN0066 Homo sapiene cDNA
4845	17978		1.38	3.0E-67	3.0E-67 AL163279.2	TN	Homo sapiens chromosome 21 segment HS21C079
8375	21456	34980	137	3.0E-67	3.0E-67 BF198068.1	EST HUMAN	hetros xi NCI_CGAP_Kid11 Homo sepiens cDNA clone IMAGE:3134913 3' similar to SW:RHOP_MOUSE Q61085 GTP-RHO BINDING PROTEIN 1 ;
11537					3.0E-67 AA927874.1	EST HUMAN	am18b07.s1 Scares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:1541365 3'
193	13416	28445	0.59	2.0E-67	2.0E-67 BE348354.1	EST HUMAN	hw16g09.x1 NCI_CGAP_Lu24 Homo saplens cDNA clone IMAGE:3183138 3' similer to WP:FZ3H11.9 CE09617;
88			6.29	2.0E-67	2.0E-67 AW816405.1	EST HUMAN	QV4-ST0234-181199-037-105 ST0234 Homo sepiens cDNA
138	L		,	2.0E-67		NT	Homo sepiens double stranded RNA activated protein kinase (PKR) gene, earns 2a, 2, 3, and 4
1983	15076	28179		2.0E-67	2.0E-67 BE303037.1	EST HUMAN	ba72g05.y1 NIH_MGC_20 Homo sepiens cDNA clone INAGE:2805976 5' similar to TR:094892 094892 KIAA0798 PROTEIN;
1933	15076	28180	\$	2.0E-67	2.0E-67 BE303037.1	EST HUMAN	ba72g05.y1 NIH_MGC_20 Homo sepiens cDNA done IMAGE:2905976 5' similar to TR:O94892 O94892 KIAA0798 PROTEIN ;
2458	16685	28713		2.0E-67	AF309561.1	NT	Homo sepiens KRAB zinc finger protein ZFQR mRNA, complete cds
2502	15629	28749	1.37	2.0E-67	TN 28785/4	NT	Homo sapiens developmentally regulated GTP-binding protein 1 (DRG1), mRNA
3557	16722	75762	3.76	2.0E-67	2.0E-67 AA625755.1	EST_HUMAN	zu91g01.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:745392.3'
4109		30263	3.13	2.0E-67		NT	Homo saplens chromosome 21 segment HS21C100
6197	L.			20E-67		NT	Novel human gane mapping to ahomosome 13
6252				2.0E-67	2.0E-67 BF240758.1	EST_HUMAN	601875351F1 NIH_MGC_55 Hamo sapiens cDNA clone IMAGE:4091893 5
6425		1	1.74	2.0E-67		N	Homo sapiens mRNA for NADPH-cytochrome P-450 reductase, complete cds
6425				2.0E-67		NT	Homo sapiens mRNA for NADPH-cytochrome P-450 reductase, complete cds
6779	18834	OCESE	79'0	2.0E-67	2.0E-67 AL120542.1	EST_HUMAN	DKFZp761A229_r1 761 (synonym: hamy2) Homo sapiens cDNA clone DKFZp761A229 6*
8755	21834		1.09	20E-67	20E-67 AA334609.1	EST_HUMAN	EST38850 Embryo, 9 week Homo sapiens cDNA 6' end similar to similar to carebellin
8755	21834		1.09	20E-67	20E-67 AA334609.1	EST_HUMAN	EST38860 Embryo, 9 week Homo sapiens cDNA 5' and similar to similar to careballin
76IA		35812	1.81	2.0E-87	2.0E-67 AW 602635.1	EST_HUMAN	RC4-BT0566-170100-011-007 BT0568 Homo sapiens cDNA
9197	22275	35813		2.0E-67	2.0E-67 AW 602635.1	EST_HUMAN	RC4-BT0566-170100-011-007 BT0566 Hamo septems cDNA
9766	22763	36332	9.55	2.0E-87	2.0E-67 AV731333.1	EST_HUMAN	AV731333 HTF Hamo sepiens cDNA clane HTFARD03 5
0)-66		36536	0.99		2.0E-67 AW 293824.1	EST_HUMAN -	UI-H-BIZ-ahn-e-10-0-ULs1 NCI_CGAP_Sub4 Homo sapiens cDNA clone IMAGE-2727283 31
10848		37501	0.53	2.0E-67	2.0E-67 AA928089.1	EST_HUMAN	an86507.s1 Soares_NR_T_GBC_S1 Hamo septens cDNA clane IMAGE:1563541 3"
11141	24213	37840	1.75		BF685788.1	EST HUMAN	602140470F1 NIH_MGC_48 Homo sepiens cDNA clone IMAGE:4301705 5

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Table 4
Single Exon Probes Expressed in Placenta

	L						
Probe SEQ ID NO:	Econ SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vatus	Top Hit Acesskan No.	Top Hit Databasse Source	Top Hit Descriptor
11310	26230		2.65	2.0E-67	11436448 NT	NT	Homo seniens KIAA0965 rentein (KIAA009E)DNA
11504		38240	205		BE2957	EST HUMAN	60115576251 NIH MGC 17 Home seminar child characters at
11743	23929	37565	244		2.0E-87 BF377169.1	EST HUMAN	PW2-TN0102-0409/0-00-1-00-1-00-1-00-1-00-1-00-1-00-1-
12527	25988	31770	2.47		11418189 NT	LN	Homo sepiens thyroid autoentiden 70kD (Ku antinen) (22294) mBNA
283	13482	26514	28.6	1 0F-87	TAROSTER	Livi .	
726	L		0.95		AA777779	EST HIMAN	normo sapanas amyond besa (A4) precursor protein (protesse nadin-II, Abheimer disease) (APP), mRNA
4833	17968	30954	67.0	1.0E-67	HF.	EST HUMAN	AND THE STATE OF THE SAME IN THE SAME OF THE SAME SAME SAME SAME SAME SAME SAME SAM
11268	24337		1.47	1.0E-67 BEO	BE010038.1	EST HIMAN	PMS-BN0776-100400-04-04 BNb376 U.
12105	25085		3.44	9.0E-68	4506090 NT	L	Homo saniene mitroen extincted entitle Lines 6 (AM D/O)
2245	15378	28506	8.3	8.0E-68	8.0E-68 BE870732.1	EST HUMAN	601448558F1 NIH MGC 65 Homo conjent child described in Activation
3973	17130	30133	5.75	8.0E-68 AAZ	AA209458.1	EST HUMAN	THE STATE OF THE SECOND CONTROL OF THE SECON
3973	17130	30134	5.75	8.0E-68 AA21	AA200468 1	EST HIMAN	292h10.r1 Strategene hNT neuron (#837233) Homo sapiens cDNA clone IMAGE:648163 5 similar to
8233	21375	. 34895	0.58	7.0E-68 AI81	AI810505.1	EST HIMAN	whereast of NC Coad base Home control and all the control and
10668	23700	37310	6.43	6.0E-68	11422086 NT	Į.	Homo seriens brefeldin A inhibited receipts a releasible material and the control of the control
11417	24478	38143	1.31	6.0E-88	6.0E-68 AF133901.1		Homo sepiens killer inhibitory receptor 2-2-1 (KIR221) and killer inhibitory receptor 2-2-2 (KIR222) genes, partial edge.
12868	25579		2.84	6.0E-68 BE61	BE612554.1	T HUMAN	801452087F1 NIH MGC BR Homo sendone CDNA ches INA OF conference El
13165	25756	31927	1.45	6.0E-68 BF31	BF310675.1	Т	801894635F2 NIH MGC 19 Home seriens conditions (NA CE 1401444 F)
<u>8</u>	15086	27059	2	5.0E-68 AF23	1919.1	Г	Hano saplens chronosome 21 univolve miRNA
88	15986	27060	2	5.0E-68 AF23	1819.1	Ę	Homo saplens chromosome 21 unknown mRNA
82	2020 020	27076	4.93	5.0E-68 AF23	1819.1	Į	Homo sapiens chromosome 21 unknown mRNA
27	14020	27077	4.93	5.0E-68	1819.1	IN.	Homo sapiens chromosome 21 unknown mRNA
3216	1830	29401	2.99	5.0E-68 AB03	7852.1	N.	Homo sapiens mRNA for KIAA1431 protein, pertial cds
4287	17440		0.64	5.0E-68	4826967 NT		Homo sapiens rethroblestorna-binding protein 2 (RBBP2) mRNA
2394	15/19	28836	-	4.0E-68	11421388 NT		Homo saplens transcription factor NRF (NRF) mRNA
2504	15719	28837	1	4.0E-68	11421388 NT		Homo sapiens transcription factor NRF (NRF) mRNA
2030	18218		7.11	4.0E-68 P0440	92	ISSPROT	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE 1 INFR
8085	19267	32596	0.69	4.0E-68 AF15	7063.1	Π	Homo sepiens sedlin (SEDL) gene, exon 4
<b>8</b>	20227	33650	6.03	4.0E-68	11055891 NT		Homo saplens serine carbotypeptidase 1 precursor protein (HSCP1), mRNA
8912	20227	33660	6.03	4.0E-68	11055891 NT		Homo saplens serine carboxypeptidase 1 precursor protein (HSCP1), mRNA
7859	20913	34418	48.0	4.0E-68	7661683 NT		Homo sepiens DKFZP588L0724 protein (DKFZP588L0724), mRNA

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	Top Hit Descriptor	Homo saplens mRNA for KIAA0145 protein, partial cds	Homo sapiens mRNA for KIAA0145 protein, partial cds	Homo septens mRNA for KIAA1485 protein, pertial ods	Homo sapiens protein tyrosine phospharasse tyte (A. Inches 4 (17174.44) mRNA	Homo sapiens protein tyrosine phosphatase type IVA, meniuca 1 (1 11 11)	Homo sapiens mRNA for KIAA1515 protein, perual cos	Homo saplens SEC14 (S. ceravisiae)-like 2 (SEC14LZ), mirvan Homo saplens SEC14 (S. ceravisiae)-like 2 (SEC14LZ), mirvan	Mus musculus G-probain coupled receptor of the Couples Anna MAGE 1950291 3' similar to contains	q138h02.x1 Soares feta Jung NtHL19W Home sapra is Curver States	THR.12 THR repetitive element :	0.001 DT0072-010200-050-h06 DT0072 Homo capiens cDNA	Chost this langical datas mRNA for EF-1 alpha, complete cds	THE MOI CGAP CLT Homo saplens con clone IMAGE:3284/4/ 3 SININA W 11:0000	HYPOTHETICAL 88.8 KD PROTEIN.;	Homo sapiens gene for activin receptor type IIB, complete cds	yg39g04.s1 Soares Infant brain 1NIB Home sagners Quith June 1112-362024 6	681458514F1 NIH MGC 68 Hario sapens guny ciule inst	Т	т	П	601437387F1 NIH MGC 72 Harno septems CDNA clone IMAGE:27068243	UI+HBIO-eam-P-U-UI-SI NOT COURT TANA IN balanced translocation) 1 (MN1), mRNA	Homo sapiens meningrania (usartesa Homo saciens CDNA	QV4.510224-101199-02-10-02-02-02-02-02-02-02-02-02-02-02-02-02	Homo sapiens mtKNA tot NAAVS7 protein, complete ods	П	1	ı		Homo sapicitis serium com — L. L. A.	Homo sapiens similar to edomuceodee by the beginning.	mRNA Librar seriens phosphodiesterase 78 (PDE7B), mRNA	Land State of the Control of the Con	
Single Exoli riones	Top Hit Database Source		2		L	  -  -	Į.	= =====================================	Ę		EST HUMAN	ESI HUMAN	EST HUMAN	Ž	MANUEL	HON HOWAY	EST HUMAN	EST HIMAN	EST HUMAN	SWISSPR01	EST HUMAN	EST HUMAN	EST HUMAN		EST HUMAN	N	M	EST HUMAN	EST HUMAN	DINT	ENT 6		TN 6	NO	
Single	Hit Acession No.		2	9.2	Coco	TM C9C9081	420024	44447088		T	+		51				2.0E-68 AB008081.1	43000.1	1	2	k	20E-80 DI 3000 E.1	W016803.1	4505222	W816405.1	1 0F-68 AB011149.1	AB011149.1	4 0F-68 BE296032.1	4 OF 68 AA897343.1	7682349 NT	11436716INT		11419429 NT	11418869 NT	
}	Top Hi		4.0E-88 D6347	4.0E-68 D6347	4.0E-08 ADV-0919.1	4.0E-88	4.05.68	4.0E-68 ABO40	80-10	3.0E-68 AF 23006	3.0E-68 A1342323.1	3.0E-68 F28784.1	0E-68 AV	2.0E-68 D00522.1		2.0E-88 BE67	0E-68 A	2.0E-68 K45000.1	2.0E-68 BF03	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	2.0E-88 (300000000000000000000000000000000000	OF AS B	2 OF -68 AW	100	4 OF AS AW	10F	1 OF 688	4 OF -68	101	1 8	2	1.00	1.0E-68	1.0E-68	
	Most Similar (Top) Hit BLAST E	Value							-						_							81.6				20.00						2/3	0.45	2.16	
	Expression Signal		5.59	5.39	3.17	2.6	4.64	1.72	1.17	3.54	3.5	135	283	29.7		0.79	233	9.21	3.81	0.68	Ö														
	ORF SEQ E		35859	35860	36018	37960	37961	38161	32028	29916		377350		<b>†</b>	1	30283	30926		33486	34074	35772	38255	1		188 188 188 188 188 188 188 188 188 188	26557	28590	78291	30Z70	31231	31616	34412	7CM78	37700	87.58
		<u> </u>	73317	71622	22455	24320	24320	24495	25485	16912	000	2750	300	7774		17288	17938	20161	20074	20800	22228	24577	26170	25776	13316	13523	15,58	5458	17271	18263	18637	20908		- 1	24163
		Ž Ö Ž	0240		L	41264	1_	上	L	L		1	1	1.	CZZ	4135	L	L	L	7527	850	11521	12285	13192	84	307	2326	2326	4117	5140	5437	7853	1	10385	11089
	£ %	Z		1	Ĺ			1		1	<u>L</u>	$\perp$	$\perp$		$\perp$		1_	L	1	1_	1	1_	L		L		اسا				_	-		_	

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Nost Strmilar (Top) Hit Acession (Top) Hit Acession Detablesse D NO: Signal BLAST E No. Source Source	37800 2.16 1.0E-68 11418869 NT Homo sepients phosphodiesterase 7B (PDE.7B), mPNA	L78416.1 NT	11433277 NT	38313 2.83 1.0E-68 U50319.1 NT Human protein lanses C substrate 80K-H (PRKCSH) game, expn 4-5	38314 2.83 1.0E-68 U60319.1 NT Human protein kinase C substrate 80K-H (PRKCSH) gene, exxn 4-5	11418431 NT	38664 1.81 1.0E-68 11418431 NT Homo sapiens CGI-76 protein (LOC51632), mRNA	4505222 NT	1.0E-68 11430460 NT	1.0E-68 11418213 NT	2.42 9.0E-69 5031976 NT	26291 2-42 9.0E-69 5031979 NT Homo sapiens pre-B-cell colony-enhancing factor (PBEF) mRNA	0.89 9.0E-69 5031980 NT	0.99 9.0E-69 5031980 NT	4757867 NT	9.0E-69 4504010 NT	7.86 8.0E-69 AU117241.1 EST HUMAN	37744.1 NT	9068912 NT	6.0E-69 A1192764.1 EST_HUMAN		1.05 6.0E-69/AA826039,1 EST HUMAN	1.18 4.0E-69 AI873630.1 EST HUMAN	EST_HUMAN	32467 4.62 4.0E-69 A764973.1   EST HUMAN   0554137 ACYL-COA THIOESTERASE.:	3.17 4.0E-69 4557732 NT	3.17 4.0E-69 4557732 NT	0.55 4.0E-89 AU119634.1 EST_HUMAN	EST_HUMAN	2.78 3.0E-69 AF221712.1 NT
Expression Signal	218	281	1.7	283	283	1.81	1.81	253	3.05	1.88	2.42	2.42	68.0	0.99	9.0	0.80	7.86	1.28	4.44	1.85	185	1,05	1.18	1.53	4.62	3.17	3.17	0.55	5.24	2.78
ORF SEQ ID NO:	Ц												L				L			_										
Exam SEQ ID NO:				24634	24634		24948	13316				13260	14219	14218	17392	17411	24200	16840	19649	21130	21130	1	13726	25812	19152	19920	19920	22194	13634	13812
Probe SEQ ID NO:	11089	11142	11468	11580	11580	11963	11963	12849	13100	13164	22	ឧ	1063	1053	4246	4288	11128	3473	6482	8047	8047	9174	833	5881	9969	6764	6764	9115	268	<i>12</i> 39

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		_ <del>_</del>	7		ТТ	Т	Т	Т	Τ.		TT	Т	Т	Т	Ť	T	Г	7	7	7	2	T	F	7	Ť	7	1		F	
	Top Hit Descriptor	yd08a02.r1 Scares infant brain 1NIB Homo saplens dDNA clone IMAGE:24880 5' similar to SP:A48836 A48836 SPEGF III=EGF REPEAT-CONTAINING FIBROPELLIN-LIKE PROTEIN - SEA URCHIN;	Homo seniers aconitese 2, mitochondrial (ACO2), mRNA	Home saziens short chain L-3-hydroxyacyl-CoA dehydrogenase precursor (HAUHSU) grate, Indeed, gene,	encoding mitochondrial protein, complete ods encoding mitochondrial protein NPRAP/meurojungin (CTNND2) mRNA, pærtial ods	Home sapiens TRAFE-birding protein T6BP mRNA, complete cds	UI-HBIT-BOW-9-01-0-UI-ST NCI_CGAP_Sub3 Homo septens cDNA clone IMA-25-27 13040 3	EST88807 HSC172 cells II Homo capiens cONA 5 and similar to similar to indocure process	H sepiens mRNA for Neactyglucosemide (beta 1-4) galactosytrensrease	Human mRNA for catcism-binding protein in macrophages (MRP-14) macrophage ingravium in maker 1 incomes	(MIF)-related protein	Homo serviers ribosome protein S15a (RPS16A), mRNA	FST88807 HSC172 cells II Homo saplens cDNA 5 end similar to similar to ribosomes protein 310	Homo saciens mRNA for MEGFe, partial ods	Homo sapiens mRNA for MEGFB, pertial ods	Hamo sepiens HGC8.2 protein (HGC8.2), mRNA	Hamo septens KIAA0663 protein gene, complete cas; and apprehi protein gene, partiel cds	Hono septens KIAA0553 protein gene, complete ods; and alphania puttal gene, per la hono septens KIAA0553 protein gene, complete ods	Homo sapiens KIAA0553 protein gene, complete ods, and alphallib motein gene, partial cds	Hamo saplens KIAA0553 protein gene, compress cas, and administration and protein general process of the protein and protein an	601109444F1 NIH MGC 10 TURIN SAPER FORM FORM IMAGE:781682 6	2w/71g02_rf Soeres_testis_ Nrt1 notice septems con vice con IMAGE:527088 6	All 2012 2012 2012 2012 2012 2012 2012 20	Ratus novegicus brain specific cortactin-binding protein CBP90 mRNA, partial cds	Т	┰	Т	τ	T	
Single Exon Propes Expresse	Top Hit Detebase Source	EST_HUMAN	Ž	Z	Į.	Z	N INAN		ESI TICIMAN	Ž	뉟	Į.	NI NI NAN		Z	LV.	Į.	Z	¥	NT	<b>EST HUMAN</b>	EST HUMAN	EST HUMAN	ESI HUMAN	NAME TO THE	FOT HIMAN	EST HUMAN	EST HUMAN	33 NT	
eiguis	Top Hit Acession No.	-	6729910 NI	11415185 N	F095703.1	52351.1	3.0E-69 AF268075.1	W138640.1	3.0E-69 AA376389.1	13225.1	~		11432120 NI	3.0E-69 AA376369.1	4B011541.1	TN17240444		20E-69 AF-1002321	20E-08 AF 1002.02.	2.0E-08 M 1002521	2 nF - 80 RF 257857.1	2.0E-69 AA431157.1	2.0E-69 AA114270.1	1.0E-69 BP330124.1	1.0E-69 AF053768.1	BE409094.1	1.0E-69 BEBU2501.1	1.0E-09 BESUCO1.1	1.0E-69 AW3933908.1	
	Most Similar (Top) Hit BLAST E Value	3.0E-60 T80514.	3.0E-69	3.0E-69	3.0E-69 AF0957	3.0E-69 U5235	3.0E-69 A	3.0E-69 A	3.0E-89 A	3.0E-69 X	3.0E-69 X0623	3.0E-69	3.0E-69	3.0E-69/	3.0E-69 AB01	3.0E-69 AB01	3.05-08	20E-69 AF190				L		1.0E-69						
	Expression Signal	1.12	2.18	1.87	0.78	1.74	8.4	133	0.74	1.74	3.15	0.56	274	7.68	1.77	1.77	3.1	1.09	1.09	4.42	4	4.14		7	2.4					122
	ORF SEQ E			38823	34076			35190		36238	36377				38785	38796		۱				7 28187	35368		27980		32697	51 32698		33709
	Exem SEQ ID NO:	14778	1657	18483	2000	1_	1_	1_	1_	L	<u> </u>	L	L	L	1_	<u> </u>	L	13612			1	15077	L	1_	1_	1_	19351	19351	IJ	58 20271
	Probe SEO ID	82	2440	2357	76.30	75.73	77.24	8567	8967	9613		9/33	1087	11080	12/12	12112	12305	131	131	417	417	1934	07E4	1880	2	5437	6175	6175	6738	8989

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00	<u> </u>	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E	Top Hit Acession No.	Top Hit Databese Source	Top Hit Descriptor
 Ö	ë Ž			Value			Home servious KIA40716 gene product (KIAA0716), mRNA
8069	1/200	33710	1.22		7662263	Z	Homo septients mRNA for KIAA1147 protein, partial cds
1_	S S S S S S S S S S S S S S S S S S S					Ž	Homo septens mRNA for KIAA1147 protein, pertiel cds
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	20157				T	EST HUMAN	601278532F1 NIH_MGC_39 Homo expiens cDNA clone IMAGE:3810014 5
Ĺ.,	20157	33579	0.64		1.0E-08 96:30 100		TCBAP1E2578 Pediatric pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the program of the pre-B cell acute lymphoblastic remainia payura 1000 program of the
10877	23412	37020	5.04		1.0E-69 BE245070.1	EST_HUMAN	dDNA done TCBAP2878 TCBAP1E2878 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC project=TCBA Homo sepiens
10377	28412	37021	5.01		1.0E-89 BE245070.1	EST HUMAN	oDNA clone TCBAP2678 602043782F1 NCI_CGAP_Bm67 Homo sepiens cDNA clone IMAGE:4181325 5'
200	23659		60		BF52842	TO LOUIS	Homo saplens keratin 8 (KRT8) mRNA
4445	24184		36.41		1 4504978 N1	NAL TOTAL	Ro1782302F1 NIH MGC 20 Homo sepiene cDNA clone MAGE:4022/89 9
12221	25181	38352	1.88		1.0E-69 BF125687.1	ESI DOMPS	LARACOB KI Scense NFL T GBC S1 Homo sepiens dDNA clone IMAGE 2380390 3 SITTING TO COMMISSION OF STATE OF THE PROPERTY OF THE P
	28440		3.4	·	1.0E-69 AI809894.1		repositive element.contains element MIR repositive element;
200		28687			8.0E-70 AA230303.1	EST HUMAN	Library Scaniens DGS-I mRNA, 3' end
888	17833	<u> </u>			8.0E-70 L77508.1	NI FOT LIMAN	Imagent x1 NCI CGAP Brn25 Homo sapiers cDNA done IMAGE:2165305 3
£ 55	15002	28108	2.42		7.0E-70 AI497807.1	ESI HOMORI	Imagen x NC CGAP Briz5 Homo septens cDNA clone IMAGE/21003Up 3
98	15002		9 2.42		7.0E-70 AI497807.1	EST CHIMAN	ATSIGNATING CGAP GCB1 Homo sapiens cDNA done IMAGE: 713238 3
28	15127	7 28229			7.0E-70 AA282955.1	TAIL TOWN	Hamo saplens fumor suppressor deleted in oral cancer-related 1 (DOC-1R) innova-
2125	15281					TN 6	Homo sapiens adenylate cyclase 3 (ADCY3) mRNA
\$3 64 64 64 64 64 64 64 64 64 64 64 64 64	17483		4		A DOMONO	12	Homo sepiens MIST mRNA, pertiel cds
88	18795				7.0E-70 ABUSESOS.1	Z	Homo sapiens MIST mRNA, partial cds
5600	( )				7.0E-70 A DONOS2.1	Ę	Homo sapiens gene encoding splicing factor of 1, excess 25
8						BINT	Homo sapiens tith immunoglobulin dornam process.
7945				1	ABORT	IZ.	Homo sepiens mRNA for KIAA/ 294 protein, perusi
8626				255 7.05-7	7.0E-70 AB037715 1	Z	Homo sepiens mRNA for KIAA1294 protein, perusi cus
8628			7		7.0C=10/AZA000 1	Į.	Human displacement protein (CCAA I ) mista
8	21998	35538			70 M/ 4033.1	5	Human displacement protein (CCAA1) mRNA
6	L				7.0E-/0 M/4088.1		Human PBX3 mRNA
82	22433	35991			7.0E-/U XD8641.1	15	
888	1_	33 35882		١	7.0E-70 X39841.1		halipid scremblase 1 gene, exon 1 and 5 harving region.
9636	L	78 34590			7.0E-70 A-153/15.1	TN 22	Home saplens karyopherin beta 25, transportin (TRNZ), mixtva
88	<u>l</u> _	34617				N A	
986		02 34618		1.7 7.05-70			

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	Top Hit Descriptor	Homo sapiens glutamate cysteine ligase (gamma-glutamycysteine synthetase), catalytic (72.8kD) (GLCLC) mRNA	Homo sapiens NIDST4 mRNA for N-deacetylase/N-sulfotransferase 4, complete cds	Homo sepiens NDST4 miRNA for N-descetylase/N-sulifotrensferese 4, complete cds	Homo saplens spestic paraplegia 4 (autosomal dominant, spastin) (SPG4), mRNA	Homo sapiens spastic paraplegia 4 (autosomal dominant, spastin) (SPG4), mRNA	Homo sapiens HIR (histone cell cycle regulation defective, S. cerewistae) homolog A (HIRA), mRNA	Homo sepiens HIR (histone cell cycle regulation defective, S. cerevistae) homolog A (HIRA), mRNA	Homo sepiens amyold beta (A4) precursor protein (protesse nedn-ll, Alzhetmer disease) (APP), mRNA	Human Ku (p70/p80) subunit mRNA, complete cds	Homo septiens sodium-dependent high-effinity dicerboxy/ate transporter (NADC3) mRNA, complete ods	Homo sepiens KIAA0792 gane product (KIAA0782), mRNA	Homo saplens KIA40792 gene product (KIA40792), mRNA	MR3-HT0487-150200-115-e06 HT0487 Homo sepiens cDNA	EST03926 Fetal brain, Stratagene (cat#936206) Homo sapiens cDNA done HFBDN25	CNALUM0003-010300-105-g08 UM0003 Homo sapiens cDNA	CMA-UM0003-010300-105-g08 UM0003 Hamo sapiens cDNA	RC0-BT0522-071299-011-a12 BT0522 Homo saplens cONA	RC0-BT0522-071289-011-e12 BT0522 Homo sepiens cDNA	Homo saplens Xq pseudoautosomal region; segment 2/2	Homo sapiens plakophilin 4 (PKP4), mRNA	Homo saplens plakophith 4 (PKP4), mRNA	wh90dc3.x1 NCI_CGAP_CLL1 Hamo sapiens cDNA clane IMAGE-2388005 3"	602141561F1 NIH_MGC_46 Homo sepiens cDNA clone IMAGE:4302806 5	602141561F1 NIH_MGC_46 Homo saptens cDNA clone IMAGE:4302806 5'	hz81h02.x1 NCI_CGAP_Lu24 Homo septens cDNA clone IMAGE:32144193"	Homo sapiens phosphatidylinosital 4-kinase 230 (p/4K230) mRNA, complete cds	y97a10.r1 Soares melanocyte 2NbHM Homo sapiens cDNA done IMAGE:270522 5' similar to SW:D3H1_RAT P29266 3-HYDROXYISOBUTYRATE DEHYDROGENASE PRECURSOR;
	Top Hit Database Source	IN	N	TN	IN	IN	TN	NT	NT	IN	TN	IN	NT	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	INT	TN	NT	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	NI	EST_HUMAN
Bib	Top Hit Acession No.	4557624 NT	AB036429.1	\B036429.1	11429685 NT	11429685 NT	11526319 NT	11526319 NT	4502166 NT	Vt30938.1	6.0E-70 AF164121.1	7662307 NT	7662307 NT	5.0E-70 BE166034.1	T06037.1	4W793226.1	4W793226.1	3.0E-70 BE071796.1	3E071798.1	4JZ71736.1	11430988 NT	11430988 NT	41831975.1	3.0E-70 BF685233.1	3.0E-70 BF685233.1	3.0E-70 BE502973.1	4F012872.1	N42161.1
	Most Similar (Top) Hit BLAST E Value	7.0E-70	7.0E-70 AB03	7.0E-70 AB03	7.0E-70	7.0E-70	7.0E-70	7.0E-70	6.0E-70	6.0E-70 M309	6.0€-70	5.0E-70	6.0E-70	5.0E-70	4.0E-70 T060	4.0E-70 AW7	4.0E-70 AW7	3.0€-70	3.0E-70 BE07	3.0E-70 AJZ7	3.0E-70	3.0E-70	3.0E-70 AI83	3.0E-70	3.05-70	3.0E-70	2.0E-70 AFO	2.0E-70 N421
	Expression Signal	0.53	0.85	0.85	1.77	1.77	237	237	251	229	7.0	1.78	1.78	2	1.03	1.84	1.84	1.7.1	1.71	1.11	0.59	0.59	1	1.69	1.69	0.62	1.03	15.24
	ORF SEQ ID NO:	38480	37140	37150			38583	38584	27135	L	30747	28854	28855		33454		33683	27853	27854	31367		32228	32575	33033	33034	36955	26283	
	Exen SEQ D NO:	22897	L		L	24392	24885	24885	14070	15339	17765	15066	16066	25188	20045	L	L	•	14771	18389	l.	l _	19248	19669	19669	23349	13277	
ļ	Probe SEQ ID NO:	9857	10505	10505	11329	11329	11897	11897	\$	2205	4629	2618	2818	12247	<b>889</b>	6933	68833	1619	1619	5270	5737	6737	8908	8503	8503	10314	æ	707

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	Top Hit Descriptor  Top Hi	SW:D3HI_RAT P29266 3-HYDROXYISOBUTYRA I E UEHTDROCE, 2004613 3'	QCOTHOLXI NCI_CGAP_Part Inditio Squares The Company of the Control	Homo sapiens hypometric (KIAA0193), mPAVA	Homo sapiens NAVIO 100 grant profit A0183). mFNA	Homo sepiens KIAA0183 gens product (Nice ONA cone IMAGE 32/12/58 3'	hz64c12.x1 NCI_CGAP_LL24 Thailis septemb cDNA done INAGE-612441 6 similar to	2045/05.11 Stratagene He a control of the control of the control of control o	TR:G1041253 G1041253 G1041253 G1041253 G1041 G1070 G104 G1070 G104 G104 G104 G104 G104 G104 G104 G10	TR:G1041289 01041289 D.Mood., HR:G1041289 01041289 D.Mood., HR:G1041289 01041289 D.Mood., HOmo capiens chromosome 21 segment HS:Z1C002 Homo capiens chromosome 21 segment HS:Z1C002	248g04.r1 Soares retina N204thK Homo saprems	Poss45 GAG POLYPKU EIN ,	Himmen nonmuscie myosin heavy chain-B (MYH10) mixture, perusa con	H society density as schimennomin (CSB)	H. seplens gene for schwannomin (CS8)	Hamo sepiens NALP1 mRNA, complete cds Hamo sepiens NALP1 mRNA, complete cds	Human mRNA for NP1 protein Boothing the American State of the Complete cds	Homo septens Cymptes III - Anna Intermediate chein 1 mRNA, complete cds	Homo sapiens cytoptasmic cyreat menus	sisk fransferase 6 (N-acetyllacosaminde apria 2.4 day una 4 and 5	Homo septents and protein alpha-subunit gene (G-sapra), and the gene glycogen debranching enzyme, glycogen lehrman guanthe nucleosade-binding protein alpha-clucanotransferase (glycogen debranching enzyme, glycogen lehrman guanthe nucleosade Angha-clucanotransferase (glycogen debranching enzyme, glycogen lehrman guanthe nucleosade binding protein alpha-clucanotransferase (glycogen debranching enzyme, glycogen lehrman guanthe nucleosade binding protein alpha-clucanotransferase (glycogen debranching enzyme, glycogen lehrman guanthe nucleosade binding protein alpha-clucanotransferase (glycogen debranching enzyme, glycogen lehrman guanthe nucleosade binding protein alpha-clucanotransferase (glycogen debranching enzyme, glycogen lehrman guanthe nucleosade binding protein alpha-clucanotransferase (glycogen debranching enzyme, glycogen lehrman guanthe nucleosade protein alpha-clucanotransferase (glycogen debranching enzyme).	Hano sapiens amyo-1, p-giudusuason 1 mm. 1	$\neg \vdash$	1 1	INA		(Elraso) Illicat		Homo sapiens low density in Tr	
Single Exon Probes	Top Hit Detabase Source	EST HUMAN	1	F	1	¥	EST HUMAN		EST HUMAN	EST HUMAN		EST HUMAN	2	E.	Į.	z	₩.	Į.	NT.		F 12	-	99 NT EST HIMAN	55 NT	Z	8923420 NT	8923420 NT	4503520 NT	11430460 NT	
elguis	Top Hit Acession No.			23869	TREGORALINI	N (580) N		}	2.0E-70 AA180093.1	2.0E-70 AA180093.1	2.0E-70 AL1632022	2.0E-70 AA054010.1	2.0E-70 AL133207.2	2.0E-70 M69181.1	2.0E-70 X72662.1	2.0E-70 X72662.1	20E-70 AF3 U103.1	AE42207A 4	2.0E-70 AF123074.1	1	11422842 NT	2.0E-/UMZ1/41:1	2.0E-70 114Z3599 NT	1147969.1 41526356INT	454725					
	Most Similar (Top) Hit BLAST E Value		2.0E-70 N4Z101.1	2000	Z.M-10	2.0E-70	20E-70	2.0E-70 BE4013 11.	2.0E-70.A	2.0E-70 A	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70											1		L	
	Expression (		15.24	28.	1.38	2.18	2.16	133	1.07	1.07	4.92	670	12.0	5.88	8.42	8.42	1.23	265	10.35			281	0.06						7.78	
	ORF SEQ E	+	26924	26947	27269	27432	27433	27669	27924	\				1	10000	١		33321	Ш	33383	31477		35030		45 36007		L		24926 38628	25439 3205
	Esca SEO ID	1	13890	13905	42712	14372	14372	4894	4840	1	1		_1	_1	_1	18826	1_	1	1_	19960	18582	I	<u> </u>	21630	L	1_	1_	١.		L
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Top Hit Descriptor		Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sabiens transditritaminase 3 (E polypeptide, protein-glutamine-gamma-glutamytransferase) (1 GM3)	MRNA MARE 416724 5	455g05,r1 Sceroe fetal liver spleen 1NFLS 51 hand septemble culty could introduce the	2054c03,r1 Scarces testis JNHT Homo capiens aDNA clane IMAGE: 757444 5	AV738538 CB Homo saplens cDNA clone CBLBGB10 5	qe04f01.xf Soenes testis, NHT Homo saplens cDNA done IMAGE:1738009 3' similar to 1 K:014045 014045 PHOSPHOTRANSFERASE. :	and the Science tests NHT Homo sapiens about done IMAGE:1738009 3' striller to TR:014045	014045 PHOSPHOTRANSFERASE.;	w65206X1 NCI_CANT_COS FINE SPONS CONTROL CDD2, CDD3, AND CDD4 GENES.; CXU2, CDU1, TCDD, TCDB, TCDE, TCDA, TCDC, CDD2, CDD2, CDD3, AND CDD4 GENES.;	w65205.x1 NCI_OGAP_GC8 Homo septens Gun4 crore involveXvvs.co. o sinilar in CDU2, CDU1, TCDD, TCDE, TCDC, TCDC1, CDU1, CDV2, CDD2, CDD2 CDU4, TCDD, TCDE, TCDC, TCDC, CDV1, CDV1, CDV2, CDV1, CDV2, CDV1, CDV2,	pp2(d11.r1 Strategene neuroepithelium (#53 /231) marno saprens curvo cure in curvo c	kr24d01x1 Sogres_NFL_T_GBC_S1 Home separa a.rvv. care invocabilitors of allimated in the control of the control	zy60h06.r1 Soares, testis JNHT Homo septens cDNA clone IMAGE:768075 o	ZOTADO. S. Soares, fetal liver_spicen_1NFLS_S1 Hamo sepiens CUNA clone IMAGE 4522203	Hamo sepiens chromosome 21 segment HSZTLOJI u	Hane sections SP100-Hinds nuclear enesangen (SP 100) in co., compare SP100-Hinds nucleus N	QV4.ST0234-181189-037-00 ST0224 FIXING SEPTIME CONTROL	Home separate cycle recipion of the residue of (KRTHA7), mRNA	Lorent services KTA A 1623 cens product (KJA 40623), mRNA	Trains september times C. bate 1 (PRKCB1). mRNA	Trong segrets process the second of the second seco	Truitian regions MACS IK bridgen p501: Protein Associated with Lins 2 (LOC51678), mRNA	Truillo capione transcription factor WSTF mRNA, complete ods	Lamo accisione wisher factor related to kerola B binding protein (NFRKB) mRNA	Homo espices rundear factor related to kappa B binding protein (NFRKB) mRNA	Human PreA4 gene for Alzheimer's disease A4 amyloid protein precursor (axon 2)	Himan arrestin (SAG) care exch 8	
Top Hit	Source			LN.	EST HUMAN	EST HUMAN	EST HUMAN	ECT HIMAN	, E	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	NT	NT	EST_HUMAN	Z	N	LN	LN!	N.	Z.	ż	Ž	ž	Z	IN.
Top Hit Acession	No.	TA ASSAGE		4507478 NT	95.1	2202.1	P538 1		8.0E-71 A1143670.1	9.0E-71 AI143870.1	VI654903.1	VI654903.1	AA171451.1	9 DE 21 AW272820 1	7 0E-71 AA442230.1	AA705457.1	7.0E-71 AL163210.2	5.0E-71 AF056322.1	AW816405.1	4502740 NT	11641408 NI	7682209 NT	١	M38106	11628445 N	AF072810.1		5453/// IN	5.0E-71 X13467.1	070968.1
<del></del>	BLAST E Value	0 20 TO	2.VE-70	1.0E-70	4 DE-70 W857	4 0F-70 AA44	4 OF 70 AV72	107-107	8.0E-71	9.0E-71	9.0E-71 AI654	9.0E-71 A1654	8.0E-71 AA17	0 00 74	7.05-74	7.0E-71 AA70	7.06-71	5.0E-71	5.0E-71 AW8	5.0E-71	5.0E-71	5.0E-71	5.0E-71		5.0E-71	5.0E-71		İ	١	
Foression			7,44	3.72	780	8	3 4	10.	6.03	6.03	205	3.47	2.88	63.6	7 80	134	22			1.59				1.70			0.56			0.49
OBERG	D NO:		3Z051		+	1		3/8//	32573	32574		<u> </u>				35,404			1_		33356		33836	34225		3 34471		35336		1 37124
E C	SEQ ID		25439	466.47	L		i		19247	19247	1	1	1	l		2000	1.	L	1		<u>.</u>		L	1_	4 20936	2 20963		21800		6 23511
Probe	SEQ ID		12062	0076	3	25	10003	14176	6065	9065	747.5	2017		96/1	10828	75.53	7967	2284	423	98	9804	7060	7298	787	7884	7912	8720	8720	10115	10476

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Top Hit Descriptor	Homo sapiens IGF-II mRNA-binding protein 3 (KOC1), mRNA	Homo septients stimilar to transcribition factor CA150 (H. septems) (I OCR3170) mRNA	Homo seplens struitar to transcription factor CA150 (H. sepiens) (LOC63170), mRNA	Homo sapiens pro-platalet basic protein (includes platelet basic protein, beta-thromboglobulin, connective	escureauty popus III, neurophil-activamy popuse2 (PPBP), mrava	Homo septens similar to hypothetical protein FL.120163 (H. sapiens) (LOC83325), mRNA Homo septens RNA hinding modif popular of DEMAN, mDNA	Homo capiens fumor necrosis factor (licand) superfamily member 10 (TNESE10) mRNA	Equus caballus divograldehyde-3-phosphate dehydhosphase mRNA martial pds	Equus caballus divoeraldehnde-3-phosphata dehumoerase mRNA nertial cde	Homo sapiens plasminogen (PLG) mRNA	Homo seplens SP100-HMG nuclear autoration (SP100) mRNA complete cats	Homo saplens putative heme-binding protein (SOUI). mRNA	AU135734 PLACE1 Homo saplens cONA clone PLACE1002775 51	nH5h10.s1 NCI_CGAP_Pr4 Hano sepiers cDNA clone IMAGE:1043683 similar to contains PTR5.t3 PTR5		Homo sepiens chromosome 21 segment HS21C006	Human mRNA for KIAA0272 gene, partial cds	Human mRNA for KIAA0272 gene, partial cds	DKFZp434D1721_r1 434 (syncnym: https://doi.org/piens.cDNA.ckone.DKFZp434D1721 67	7n85c11.x1 NCI_OGAP_Ov18 Homo septens cDNA clone INAQE:35712Z1 3' similar to TR:Q9Z165 1	Homo saplens short chain L-3-hydroxyacyl-CoA dehydrogenase precursor (HADHSC) gene, nuclear gene encoding mitochondrial protein, complete cds	Homo sapiens short chain L-3-hydroxyacyi-CoA dehydrogenase precursor (HADHSC) gene, nuclear gene	THE STATE OF THE PROTEIN PROTEIN RATES HOME OF BY SAME TO SW. R23B HUMAN F54727 UV EXCISION REPAIR PROTEIN PROTEIN RATES HOMO! OG B.	Tmul022 Human Epidermal Keratinocyte Subtraction Library- Upregulated Transcripts Homo sepiens cDNA is similar to gl 6598881	Tmul022 Human Epidermal Keratinocyte Subtraction Library- Upregulated Transcripts Homo sepiens cDNA [1] similar to ai 6598881	W77c11.rf Soures breast 2NbHBst Hamo sepiens cDNA clone IMAGE-154777 67	ye43e09.r1 Soares fetal liver spleen 1NFLS Homo sepiens cDNA clone IMAGE:120520 5
	Homo sapiens (	Homo sapiens s	Homo saplens s	Homo sapiens p	Bunnananeen	Homo sepiens B	Homo saplens to	Equus caballus	Equus caballus	Horno sapiens p	Homo saplens S	Homo saplens p	AU135734 PLAC	NH5h10.s1 NCI	repetitive element;	Homo sapiens of	Human mRNA fo	Human mRNA fo	OKFZp434D172	7n85c11.x1 NCI 29Z165 PUTAT	formo saptems si encoding mitocha	tamo sapiens st preoding mitorby	<b>281806.91 NIH</b>	Tmuil022 Human Epi similar to gi 6598861	Tmul022 Human Epi	77c11.rd Soure	₱43e09.r1 Soare
Top Hit Database Source									¥				EST_HUMAN	7	T HUMAN			Į.	EST_HUMAN [	EST_HUMAN C	IN IN	<u> </u>	HUMAN	EST HUMAN 3	EST HUMAN S		EST_HUMAN y
Top Hit Acession No.	5729900 NT	11417012 NT	11417012 NT	14496K14 NIT	TH 0000011	11438069 N	4507592 NT	AF157626.1	526.1	4505880 NT	4.0E-71 AF056322.1	7657602 NT	5734.1			2			2.0E-71 AL042439.1 E	2.0E-71 BF105585.1 E	2.0E-71 AF085703.1	2.0E-71 AF095703 1		12.1	2.0E-71 BF149173.1		
Most Similar (Top) Hit BLAST E Value	5.0E-71	5.0E-71	5.0E-71	5.0E.74	F 0F 74	5.0E-71	4.0E-71		4.0E-71 AF157	4.0E-71	4.0E-71	4.0E-71	3.0E-71 AU135		3.0E-71 AA557	20E-71 A	2.0E-71 D87462.1	2.0E-71 D87482.1	2.0E-71 A	2.0E-71 B	2.0E-71 A	2.0E-71 A	2.0E-71 B	2.0E-71 BF149	2.0E-71 B	20E-71 R	2.0E-71 T95489.1
Expression Signal	1.45	1.53	1.53	3.85	24	1.75	1.84	31.91	31.91	1.67	1.97	4.56	1.13		333	25.	723	7.23	0.71	0.5	2.12	2.12	4.37	1.46	1.46	2.05	4.88
ORF SEQ ID NO:	37584	37660	37661	37936	38400	8	26370	28801	2002	29141	30667	31200		- 6	37646	27481	31614	31615	31489	35826	37467	37468	37647	38545	38546	38567	
Ean SEO (D NO:	23955		24025	24295	24526	25380	13342	13571	13571	16128	17686	18229	21305	97010	24013	14418	18835	18635	18534	22285	23846	23846	24015	24848	24848	24870	26231
Probe SEQ (D NO:	10870	10943	10043	11226	11467	1258	106	360	360	2951	4548	5101	8223	7,000	1282	200	5435	\$436	7407	8207	10813	10813	10933	11860	11880	11882	12318

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	Top Hit Descriptor	And Facts at Sommes seriescent, fibroblesse, NbHSF Homo septens cDNA clone IMAGE:1665916 3' stmiller to	contains LOR1.bz LOR1 repetitive element; contains LOR1.bz Lordi realth-related protein (LOC51616), mRNA	Hamo septems instruction come, constant 15 and complete ods	nd no septents choscheddylinositol 4-kinasa 230 (pl4K230) mRNA, complete ods	Home capters PAS216 mPNA, partial cds	Homo saptement PMS2L16 mRNA, partial cds	Homo sapiens hair/fenhancer-of-spilt related with YRPW motif-like (HEYL), mKNA	Homo septens inorganic pyrophosphetese mRNA, complete cds	Homo servierrs SNARE protein kinase SNAK mRNA, complete cds	Homo saplens SNARE protein kinase SNAK mRNA, complete ods	02 15 Human Epidermal Karatinocyte Subtraction Library- Upregulated Transcripts none separate 200	clone 02_15 5' similar to Homo sapiens chromosome 19	02_15 Human Epidermal Naramnoyne Submassime 19	cone 02_10 6 semiliar to non to separate concerned at 19	HOMO Saprair same and the same same same same same same same sam	Human mXNA tot Nickacks gains, compress		Home septems SCNN (Variant Cont.)  Linear septems MRNA for KIAA0569 protein, partial cds	Home services CAGL70 mRNA, partial cds	Home separate divolcan-6 (GPC6) mRNA, complete cds	Homo saciens myornesin (M-protein) 2 (1654D) (MYONI2), mRNA	Homo sepiens hypothetical protein FLJ10998 (FLJ10998), mKNA	Homo sepiens hypothetical protein FLJ10998 (FLJ10998), market	CSNK2A1=casein kinase II (CKII) subunit alpha (human, Cenome, 10002 III)	Homo septens cytochrome c addase subunit VIIIe-related protein gene, curity bas con	AV761217 MDS Hamo sapients cDNA clane MDSE/ACS 5	Homo sapiens activated leucocyte cell adhesion molecule (ALCAM), IIII VA	AV761217 MDS Hamo saplens cONA done MDSEIAUS 3	Hamo septens coegulation factor XIII, A1 polypeptide (F13A1), many	Homo sapiens leucy/loystiny aminopeptidase (LNPEP), mKNA	Homo sapiens leucy/cystinyl aminopeptidase (LNPEP), mkNA	Homo sapiens gane for AF-6, complete ods	
-	Top Hit Detabase Source		T HUMAN						Į,	Į.	Z E	Z	EST HUMAN		EST HUMAN	뒫	N		LN 3	Z !	Z	ž Ž	12/2	TN	1	- LA	EST HUMAN	44432442 INT	FST HUMAN	NEW	IN S	N N	LZ.	
	Top Hit Acession No.		7.1	8281				1.0E-71 AB017007.1	IN CCL/CD/	F119665.1	F246219.1	1.0E-71 AF 246Z19.1	1.0E-71 BE122850.1		3E122850.1	1.DE-71 AF218904.1	1 0F-71 D28476.1		11428182 NT	AB011131.1	U80753.1	21	11425450		, 0000.0	1.0E-7.1 372383.1	1.0E-/1 AYW/048.1	A S	1000	1.0E-/1 AV /61417.1			AB0413	200
-	\$ + 10	value	1.0E-71 AJ07792	1.05-71	1.0E-71	1.0E-71	1.0E-71	1.0E-71 A	1.0E-71	1.0E-71 AF119R	1.0E-71 AF246	1.0E-71	1.0E-71				4 OF-71									1	$oldsymbol{\perp}$					1.06-71	1	
	Expression Signal		1,55	1.38	13.07	11.13	23:	1.52	8.06	1.56	6.57	6.57	00		6.0				1.48												3			71:01
	ORF SEQ ID NO:		89898	27/28	27344	27600			28982	29769	29855	29856		20002	20003	1	78887		33443				3 34965			Ì	7 36837		37411		37824		74 38139	
	SEQ ID		77007	14437	14289	14528	15283	15283	15874	L	_	1_	١	16899		1	_1	17.38	20033	1	1_	L	L	1 21721	L	9 22503	1 23247	3 23308	23722	24103	L		, ,	39 25471
		j Z	1	8 8	124	1724	24.47	2147	2757	3590	3685	3885		3738		8/8	383	4583	2004	723.	7484	8340	8362	88	88	828	10211	10273	10759	11024	11121	11413	11413	12709

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Top Hit Database Source	W695gG3.r1 NCI_CGAP_Lu19 Homo sepiens cDNA clane IMAGE:2423188 3' similar to TR:096705 086705 EST_HUMAN HYPOTHETICAL 38.6 KD PROTEIN.; contains Au repetitive element;		EST_HUMAN 601468747F1 NIH_MGC_66 Hamo sapiens cONA clane IMAGE_3802431 3	Hamo saplens aconitase 2, mitochandrial (ACO2), nuclear gene encoding mitocondrial protein, mRNA	Hamo sapiens aconitase 2, mitochandrial (ACO2), nuclear gene encoding mitocondrial protein, mRNA	Hamo expiens aconitase 2, mitochondrial (ACO2), nuclear gene encoding mitocondrial protein, mRNA	(pseudogene) PTMAP2=prothymoein alpha (numan, Jenomic, 1192 nr, segment 2 or 5)	EST_HUMAN HSPD13670 HM3 Homo septens cDNA clone e40000b1 G02		EST_HUMAN   QVo-CS0010-150900-398-e11 CS0010 Homo sapiens CUNA	٦	7	EST HUMAN QV0-CS0010-150900-398-e11 CSU010 Home separats CLIVA	Hamp sapiens apprehabilities of the August A	EST HUMAN AUT28584 NITAY 2 Homo septens curvi muleitiza 2000 91		EST HUMAN AV724632 HIB HOMO Sapiens CANA CALIER HID SAVINGS ON A	Т	1	T	7	EST HUMAN LOVI-BLOOK-KAND TO THE THEORY OF THE THEORY TO THE THEORY OF THE THE THEORY OF THE THEORY OF THE THEORY OF THE THEORY OF THE THEORY OF THE THEORY OF THE THEORY OF THE THEORY OF THE THEORY OF THE THEORY OF THE THEORY OF THE THEORY OF THE THEORY OF THE THEORY	Hallo Squares Hydrocacous process and proc	Homo separate Little integration of the Samuel Control of the IMAGE:115752 5 straiter to		Homo sapiens hect domain and RLD 2 (HERC2), mrdNA
Top Hit Acession No.	836.1			4501888 NT	4501866 NT	4501886 NT	S41694.1		3.2						5.0E-72 AU128584.1 E	61274.1	24632.1	1571.1	31571.1	08545.1	08545.1	26645.1	11034844	F170025.1 INT	187947.1 EST_HUMAN	1 200007
Most Similar (Top) Hit BLAST E Value	9.0E-72 A1857	9.0E-72 AI857	8.0E-72 BF035752.1	7.0E-72	7.0E-72	7.0E-72	7.0E-72 S	7.0E-72 F26269.1	8.0E-72 A	5.0E-72 B	5.0E-72	5.0E-72 B	6.0E-72 E	6.0E-72 L11645.1	5.0E-72 A	6.0E-72 AW1	5.0E-72 AV7	5.0E-72 BF30	5.0E-72 E	5.0E-72 BE2	6.0E-72 BE2	5.0E-72 BE9.	4.0E-72	4.0E-72.AF1	4.0E-72 T87947.1	Ì
Signal	P.0	0.77	0.86	1.75	1.75	1.75	8	3.5	5.7	1.19	1.19	3.1	3.1	2,31	1.62	4.18	17.0	2.96			1.55	2.46	0.91	99.0	0.85	
ORF SEQ ID NO:	4898	28655	32760	30361	30382	30363	33844			28324	28325	28324	28325		33607	35598	36797	38252	85288	38633	38634			31821	38038	
SE DO NO:	13645	13845	19412	17375	17375	ii	L		21650	13322	13302		Ĺ	1	20183	22055	L	24575		24931	24931	28136	18073	18776	1084E	1
SEQ ID	\$	8	7523	4228	8228	865	127.6	12857	87.78	3 2	8	8	18	1162	7089	8976	10168	11519	11518	11945	11945	12390	4043	5581	5607	ğ

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	Top Hit Descriptor	Homo sapiens hypothetical protein FLJ20758 (FLJ20758), mRNA	Lower carions SEC10 (S. cerentsiae)-Ike 1 (SEC10L1), mRNA	monto especial action of 2-441 T0023 Home seavens cDNA	NCC-1 USE 2001 (2017)	KC3+10025-201000-12-11-11-11-11-11-11-11-11-11-11-11-11-	qh67c02x1 Soares_jeta_jive_spiear_jivrL>_>1 muin expension contains element L1 repetitive TR:0.14498 Q14498 SPLICNG FACTOR_[1];contains Au repetitive element/contains element L1 repetitive	element;	Be23R9.51 NCI_CGAP_GCB1 Homo septems CUNA GUE INVACIDATED CONTINUED PRECURING PRECURIN	ag23f09.s1 NCI_CGAP_GCB1 Homo septens cunna contentration of the Country of the C	Largerts in Sciences fetal liver splicen 1NFLS Homo septems cDNA clone INAGE-235084 5	Home seriens a tenentic translation lattation factor 2B, subunit 2 (beta, 39kD) (EIF2B2), mRNA	1. September 1 (1992), mRNA (1992), mRNA (1992), mRNA (1992), mRNA (1992), mRNA	Hamo septems curve your our septem 1NH S Hamo septems cDNA done IMAGE:109649 3'	אלבאסטינים ומינו וויים ביינים ביי	Homo saplens WEE1 gene for protein kinase and pertial ZNF143 gene for zinc finger transcription factor	Hamo sapiens pro-cent county of managers and a county of the county of t	ENDORROD STORE STO	Human chondrollan sulfate proteoglycan versioan VO spitoe-variant precursor peptide mRNA, complete ods	Human chandrolitin sulfate protecolycan versioan V0 splice-varient precursor peptide mRNA, complete ods	Human gamma-aminobutyric acid transaminase mKNA, parual cus	Human gamma-aminobutyno add transaminase minydy, parca ddo y bodyr HOSC project=TCAA Homo	TCAAP1E1252 Pediatric acuts myelogenous leukemia cer (r.n.o.m.) bayrum certra respiens cONA clone TCAAP1252	Homo sapiens 959 kb contig between AML1 and CBR1 on chromosome 21q22, segment as	Homo saplens hypothetical protein FLJ20585 (FLJ20589), mixtya	TOR V delta 2-C sipha = T-cell receptor detta and C atcha fusion gene (atternatively space, space junction)	[humen, precursor B.ceii line REH, mRNA Partial, 211 nt]	Trains seviers profess methytransferase (JBP4) mRNA, complete cds	Hamo septens protein methyltransferase (JBP1) mRNA, complete cds	Tallo addrats
און ולופ דייטון ו	Top Hit Database Source			Į.	EST HUMAN	EST HUMAN		EST_HUMAN	EST_HUMAN	MAN ILL FOR	TOTAL IN TANK	NAME OF THE PERSON OF THE PERS	Z	Z	EST HUMAN	F	N	EST HUMAN	TN	뒫	N	Į.	EST HUMAN	1Z	NT.		노	N.I.	Ę.	LV.
DIRING	Top Hit Acession No.	INIDARCOR	20000	Ž		4.0E-72 AW838230.1		4.0E-72 AI248796.1	4.0E-72 AA465388.1		4.0E-/2 AA466368.1	179421.1	IN /c0/c9/	7657057 NT	181910.1	\$	5031976 NT	3.0E-72 AA723823.1	3.0E-72 U16306.1	a nF.72   116306.1	U80228.1	U80226.1	9 AC 22) BE 24 24 64 1	9 0F-72 A 122043.1	TN 822548 NT		S77589	11416196 NT	AF167572.1	AF167572.1
	Most Similar (Top) Hit BLAST E Value	20.7	4.0E=12	4.0E-72	4.0E-72	4.0E-72		4.0E-72	4.0E-72		4.0E-72	4.0E-72 H79421.1	4.0E-72	4.0E-72	4.0E-72 T819	4.0E-72 AJZ7	3.0E-72	3.0E-72	3.0E-72	4 0F-72			1	L						3.0E-72 AF1
	Expression Signal		0.87	0.57	0.54	0.54		70	1.57		1.57	6.28	2.19	2.19	1.67	11.86	0.7	1.48	6.32	8	88.6	88.6	-	01.T		77	2.51			1.25
	ORF SEQ ED NO:		36618	36953	37245	37246		877778	80086	200		38503	38624			l			27398		27440	1	_		TSSS I		30082			$\  \ $
	SEQ ID		23026	23347	23638	22638				01047	24618	24807	24924	1	ļ	<u> </u>	1.	L	<u> </u>		14345	L		- 1		16624	17086	L	l	
	Probe SEQ ID NO:		9987	10312	10804	1000		70007	1000	200	11563	11818	11938	1938	11976	47770	24	826	1480		1180		32	1548	3143	88	3927	4667	4889	4889

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Table 4
Single Exon Probes Expressed in Placenta

Top Hit Descriptor	Homo sapiens semaphorin W (SEMAW) mRNA	Homo sapiens growth factor receptor-bound protein 10 (GRB10) gene, exon 5	Homo sapiens growth factor receptor-bound protein 10 (GRB10) gene, exon 5	Homo sapiens mRNA for KIAA1081 protein, partial cds	Homo sapiens mRNA for KIAA1081 protein, partial cds	Hamo sepiens ribosomal protein L3-like (RPL3L) mRNA	Homo sapiens basic transcription factor 2 p44 (btf2p44) gane, partial cds, neuronal epoptosis inhibitory trodein (nein) and sunfixel motor neuron protein terms news.	Homo sapiens nuclear receptor subfamily 1, group H. member 3 (NR1H3), mRNA	Homo saplens S100A12 cane for Calgranulin C. each 2 and loined cels	Hamo sepiens gene for AF-6, complete cds	Homo septens solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2 (SLC13A2), mRNA	601890419F1 NIH MGC 17 Hamo sepiens cDNA clane IMAGE:4131461 5	601890418F1 NIH_MGC_17 Homo sepiens cDNA clone IMAGE:4131461 5	aj28509.s1 Soares_tests_NHT Homo sepiens cDNA clone 1391609 3' similar to gtc.X02067 H.sepiens mRNA for 7SL RNA pseudogene (HUMAN):	Rathus norvegicus putative phosphate/phosphoendpyruvate translocator mRNA, complete ods	ei83402.s1 Soares, peraftyrod, tumor, NbHPA Homo saptens cDNA clone IMAGE:1387395 3'	Homo sepiens vacuolar protein scriting 41 (yeast homotog) (VPS41), mRNA	Homo sepiens myosin, heavy polypeptide 13, skeletal muscle (MYH13), mRNA	Homo sepiens myosin, heavy polypeptide 13, skeletal muscle (MYH13), mRNA	AV751818 NPD Hamo sapiens cDNA clane NPDAIE11 5	RC4-HT0578-170300-012-g02 HT0578 Homo saplens cDNA	RC4-HT0578-170300-012-g02 HT0578 Homo sepiens cDNA	Homo sepiens syneptic glycoprotein SC2 (SC2) mRNA, complete ods	Homo saplens synaptic glycoprotein SC2 (SC2) mRNA, complete cds	MR0-CT0063-071099-002-h11 CT0063 Homo sapiens cDNA	Homo seniens membrane onciejn. psimitivskated 3 (VAG) IK n25 sutdamiju member 3 (AEDD2), mDNA	Harro saplens ribosomal protein L13a (RPL13A), mRNA	ws56c08.x1 NCI_CGAP_Bm25 Homo septens cDNA clone IMAQE:2501098 3' similar to TR:Q59050 Q59050 HYPOTHETICAL PROTEIN MJ1658.	Homo sapiens phosphatidylinosital 3-kinase, class 2, alpha polypeptide (PIK3C2A) mRNA
Top Hit Detrebase Source	IN	M	IN	N	N	Į.	Ļ	'n	Į.	N	Į.	EST HUMAN	EST_HUMAN	EST HUMAN	Ę	EST_HUMAN	Z	¥	Ę	EST_HUMAN	EST_HUMAN	EST_HUMAN	¥	Ę	EST_HUMAN	Ę	¥	EST HUMAN	4505798 NT
Top Hit Acession No.	4759093 NT	3367.1	AF073367.1	AB029004.1	3.0E-72 AB029004.1	TN 4826987	U80017.1	5031892	100	1399.1	11426671 NT	2.0E-72 BF308560.1	2.0E-72 BF308560.1	2.0E-72 AA789277.1	2714.1	6226.1	7857676 NT	11321578 NT	11321578 NT	1818.1	5434.1	5434.1	742.1	2742.1	4968.1	11525883/NT	11424099 NT	8.0E-73 AW071755.1	4505798
Most Similar (Top) Hit BLAST E Value	3.0E-72	3.0E-72 AF07	3.0E-72 AF07	3.0E-72	3.0E-72	3.0E-72	3.05-72	3.0E-72	3.0E-72 X982	3.0E-72 AB01	2.05-72	2.0E-72	2.0E-72	2.0E-72	2.0E-72 AF18	1.0E-72 AA84	1.0E-72	1.0E-72	1.0E-72	1.0E-72 AV75	1.0E-72 BE17	1.0E-72 BE17	1.0E-72 AF22	1.0E-72 AF22	8.0E-73 AW37	9.0E-73	9.0E-73	8.0E-73	8.0E-73
Expression Signal	1.12	1.94	1.94	4.53	4.53	4.1	201	5.42	1.09	2.18	1.38	0.64	0.64	5.46	3.39	8.14	3.54	1.22	1.22	1.29	3.5	3.5	7.37	7.37	1.17	0.92	24.49	0.73	0.98
ORF SEQ ID NO:		32813	32614	32822	32823	33296	34307	34973	37290	32018	32690	35923	35924	37691	31999	28394	32384	33237	33238	33310	34366	34367	36408	36409	27723	28928	-	27285	32184
Exen SEQ ID NO:		19281	1			19903	20817	L	L_	25453		22373	22373	24057	25515	15273	19075		19847	26832	20872	20870	22830	22830	14641	19840	24262	14228	18892
Probe SEQ ID NO:	5637	6101	6101	6295	6295	6747	7758	8369	10646	12078	60.09	2526	2237	10978	12772	2137	5887	6889	6883	6768	7815	7815	9790	9790	1488	6164	11188	1063	9699

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Prabe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
6702	19860		6.29	8.0E-73	11426469 NT	F	Homo sepiens lysozyme hamolog (LOC57151), mRNA
8287	21369	34890	2.1	8.0E-73	8.0E-73 AF113129.1	NT	Homo sepiens vecuolar ATPase isoform VA68 mRNA, complete cds
9553	22618	36188	4.35	8.0E-73	BE019900.1	EST HUMAN	bb62a08.y1 NIH_MGC_9 Home septens cDNA clone IMAQE:3030034 67 similar to gb:X04098_cds1 ACTIN, CYTOPLASMIC 2 (HUMAN); gb:M21495 Mouse cytoskeldal camma-e-din mRNA_complete cds (MOUSE)
9941	22980	36570	1.76	8.0E-73		11526037 NT	Homo sapiens interieulán 12 receptor, beta 1 (IL12RB1), mRNA
9941	22980	36571	1.78	8.0E-73	11526037 NT	F	Homo sapiens interleukin 12 receptor, beta 1 (IL12RB1), mRNA
10134	23172	36770	0.51	8.0E-73 X919	10.1	N.	H.saplens mRNA for WNT-8B protein
10834	23867	37490	74.0	8.0E-73	4507628 NT	E	Homo saplens transition protein 1 (during histone to protamine replacement) (TNP1) mRNA
12001		08988	1.49	8.0E-73 AF08		NT	Homo sapiens brefeldin A-inhibited guanine nucleotide-exchange protein 1 mRNA, complete cds
12598		32044	12	8.0E-73	8.0E-73 AB002059.1	N.	Homo sapiens DNA for Human P2XM, complete cds
12842		31986	4.55	8.0E-73	11418189 NT	E	Homo sapiens thyroid autoentigen 70kD (Ku antigen) (022P1), mRNA
1157	14321	27376	1.91	7.0E-73	TN 0623290 NT	F	Homo sapiens hypothetical protein FLJ20309 (FLJ20309), mRNA
3373	16545	29559	0.7	7.0E-73 AL 160	1206.2	NT	Homo sapiens chromosome 21 segment HS21C006
5059	18187		1.20	7.0E-73	7.0E-73 AL163282.2	LZ LZ	Homo sapiens chromosome 21 segment HS210082
162	13387		3.04	6.0E-73	6.0E-73 AL 163218.2	N L	Homo sapiens chromosome 21 segment HS21C018
7323	20405	, 33867	3.42	6.0E-73	6.0E-73 BE166574.1	EST_HUMAN	QV0-HT0494-020300-137-dt3 HT0494 Homo sepiens cDNA
5368		31439	2.05	4.0E-73	11422159	LN	Homo sapiens HELG protein (FAWAA1), mRNA
1911	15054	28165	1.34	3.0E-73	11435913 NT	LX	Homo saplens heme-binding protein (HEBP), mRNA
1911	15054	28166	1.34	3.0E-73	11435913 NT	LN	Homo saplens heme-binding protein (HEBP), mRNA
. 6837	19990	33308	0.73	3.0E-73 AA130	3403.1	EST HUMAN	an Seo4. st Stratagene felal retina 937202 Homo septems cDNA done IMAGE:565950 3' similar to do:223064 cds/ HETEROGENEOUS NUCLEAR RIBONILO: FOPROTFIN G HILLARNY
8858	22037	35578	57.0	3.0E-73	9428.1	Г	AV729428 HTC Homo septens cDNA clone HTCAAF071 5
8368		35579	6.73	3.0E-73		EST_HUMAN	AV729428 HTC Homo saplens cDNA clone HTCAAF071 5"
10927	24010		1.45	3.0E-73		N-	H. sapiens SH3GLP2 pseudogene, 5' end
11261	24330	37970	1.41	3.0E-73		EST_HUMAN	RC8-HT0678-290600-013-H10 HT0978 Homo septems cDNA
11261	24330	37971	1.41	3.0E-73 BE71	1238.1	EST HUMAN	RO8-HT0678-290800-013-H10 HT0878 Homo sapiens cDNA
11910	24897		1:82	3.0E-73	040.1	EST_HUMAN	out1402.xt Scenes_NR_T_GBC_S1 Hamo sepiens cDNA dane IMAGE:1625955 3'
13118	25730		3.04	3.05-73	3.0E-73 AL163248.2	NT	Hamo septiens chromosame 21 segment HS210048
13122		·	2.05	3.0E-73	3.0E-73 AW 898081.1	<b>EST_HUMAN</b>	RC3-NN0066-270400-011-c04 NN0066 Homo sepiens cONA
874		27115	1.57	2.05-73		NT	Homo sapiens BASS1 (BASS1) mRNA, partial cds
2000			9.67	2.0E-73	18081.1	EST_HUMAN	RC3-NN0068-270400-011-c04 NN0068 Homo sepiens cDNA
2371			1.48	2.0E-73 U013	17.1	INT	Human beta globin region on chromosome 11
3249	16423	29440	2.03	2.0E-73	4502582 NT	L	Homo sapiens caspase 8, apoptosis-related cysteine protease (CASPB) mRNA

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Top Hit Descriptor  Homo sepiens Parkinson disease (autosomal recessive, juvenile) 2, parkin (PARK2), transcript varient 3, mRNA Homo sepiens Parkinson disease (autosomal recessive, juvenile) 2, parkin (PARK2), transcript varient 3, mRNA Homo sepiens chromosome 21 segment HS21 C083 Mus musculus inforter-hiteracting ditron kinase (Citk) mRNA, complete cds Mus musculus inforter-hiteracting ditron kinase (Citk) mRNA, complete cds Homo sepiens interfeativit receptor (ILAR), mRNA Homo sepiens interfeativit receptor (ILAR), mRNA Homo sepiens interfeativit receptor (ILAR), mRNA Homo sepiens interfeativit receptor (ILAR), mRNA Homo sepiens interfeativit receptor (ILAR), mRNA Homo sepiens glutathore syntheses (Citk) mRNA Homo sepiens glutathore syntheses (Citk) mRNA Homo sepiens glutathore syntheses (Citk) mRNA Homo sepiens glutathore syntheses (Citk) mRNA Homo sepiens glutathore syntheses (Citk) complete cds Gall is gallus Decht protein (Decht2) mRNA, complete cds Gall is gallus petalogenerial (SVIII), transcript varient 1, mRNA Homo sepiens glutathore syntheses (Citk) complete cds Gall is gallus galactosylocermidiase (Krabbe disease) (GALC), mRNA Homo sepiens glutathore syntheses (Citk) hit order (Krabbe disease) (GALC), mRNA Homo sepiens glutathore syntheses (Citk) hit order (Krabbe disease) (GALC), mRNA Homo sepiens glutathore synthese (Krabbe disease) (GALC), mRNA Homo sepiens glutathore for the mostalens cDNA AU121585 MAMMAT Homo sepiens cDNA clone MAMMAT000490 F CMH-HT0222-111169-042-H10 HT0222 Homo sepiens cDNA clone IMAGE:3617105 5 Hsapens mRNA for TFIIA Hsapens mRNA for TFIIA Hsapens mRNA for TFIIA Hsapens mRNA for TFIIA Hsapens mRNA for TFIIA Hsapens mRNA for TFIIA Hsapens mRNA for TFIIA Hsapens mRNA for TFIIA Homo sepiens RNA sepans for the man for the man for the sepiens for man expension of the more sepiens such the sepiens for the sepiens for the sepiens for the sepiens for the sepiens for the sepiens for the sepiens for the sepiens for the sepiens for the sepiens for the sepiens for the sepiens for the s
Top Hit Delabesse Source Source Source Source NT NT NT NT NT NT NT NT NT NT NT NT NT
Hit Acession No. No. 7669539 7669539 7669539 7669539 7669539 76824.1 11431477 1143147 1
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0RF SEQ ID NO: 28817 33106 33107 33106 33401 33401 33401 33401 33401 33401 33401 33401 33618 380
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SEQ ID NO: NO: NO: NO: NO: NO: NO: NO: NO: NO:

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Table 4
Single Exon Probes Expressed in Placenta

Most Similar Top Hit Acession Detables Top Hit Acession Signal BLASTE No. Source	Homo saplers S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and S171 gene, partial cds 3.85 6.0E-74 AF109907.1 NT partial cds	809 27893 1.03 6.0E-74/AW283177.1 EST_HUMAN  xv78g07.x1 Soeres_NPL_T_GBC_S1 Homo septens cDNA chone IMAGE:2700638 3'	28649 15.52 6.0E-74 BE388250.1 EST_HUMAN	28650 15.52 6.0E-74 BE388250.1 EST_HUMAN	29119 0.97 6.0E-74 AW014039.1 EST_HUMAN	29120 0.97 6.0E-74 AW014039.1 EST_HUMAN	28968 1.22 6.0E-74 BE048846.1 EST_HUMAN	28969 1.22 6.0E-74 BE048846.1  EST_HUMAN	31695 3.49 6.0E-74 11056013 NT	27166 1.93 5.0E-74 AW020986.1 EST_HUMAN	4.96 5.0E-74 AW362756.1 EST_HUMAN	31736 1.92 5.0E-74 11425417 NT	32413 12.5 5.0E-74 X89670		32462 8.1 5.0E-74 4507856INT	32533 2.94 5.0E-74 11431471 NT		33593 3.59 6.0E-74 7662263 NT	34828 2.33 5.0E-74 11345483 NT	37686 1.67 5.0E-74 Y09420.1 NT	37687 1.87 5.0E-74 Y09	1.38 6.0E-74 5729788 NT Homo sepiens cell adhesion molecule with homology to L1 CAM (close homologue of L1) (CHL1), mRNA	26542 3.31 4.0E-74 D87675.1 NT	27116 10.3 4.0E-74 AB028942.1 NT	28282	28263 8.07	28390 9.96 4.0E-74 4506192 NT	28391 9.98 4.0E-74 4506182 NT	28463 1.32 4.0E-74 AB032994.1 NT	28745
ORF SEQ ID NO:	27368	27893	28649	. 28650	29119				31695	27166		31736	32413		32462	32533	32534	33583	34828	37686	37687	37801	26542	27118	28262	28263	28390	78394	28463	28745
SEQ ID	14311	14809		L			_		18680			18720	19099	<b>i</b> .					21308	3 24053	3 24053	24164	13507		15158	15168	_	L.		1 1
Probe SEQ ID NO:	1146	1656	2390	2390	2827	292.	3805	3805	5481	928	276	662	5910		200	8030	803	703	8220	10973	10973	11090	ষ্	875	2018	2018	2134	213	2201	28

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Most Similar (Top Hit Acession Database BLAST E No. Source Source	4.0E-74 AJ006976.1 NT Homo sapiens PLP gene	3210.2 NT	4.0E-74 AL163247.2 NT	4.0E-74 7662183 NT	4.0E-74 Z17227.1 NT	4.0E-74 AB040909.1 NT	4.0E-74 4504326 NT	4.0E-74 4504326 NT	3.0E-74 AA300378.1 EST_HUMAN	3.0E-74	3.0E-74 M78984.1 EST_HUMAN	3.0E-74 AA601493.1 EST_HUMAN	2.0E-74 7669491 NT	2.0E-74 7689491 NT	2.0E-74 AF020092.1 NT Human encogenous reponds from consistency of the form that the first of the form consistency of the first of the form consistency of the first of the fi	2.0E-74 A1950528.1 EST_HUMAN	2.0E-74 4885198 NT	2.0E-74 4885198 NT	2.0E-74 AIS57280.1 EST_HUMAN	2.0E-74 AL365092.1 NT	2.0E-74 AL365092.1 NT	2.0E-74 BE711134,1 EST_HUMAN	2.0E-74 11439587 IN	2.0E-74 11439387N1 Inches against PD2-73 professor (PDZ-73NY-CO-38) mRNA	2.0E-74 11439587 IN I	2.0E-74 1143958/IN1 in the property of the pro	2.0E-74 BF030788.1 EST_DOWN COLOGO STATE   Homo septembrilly for KIAA1395 protein, partial cds	2.0E-74 AB037816.1 Ni I'm CT
Top Hit Ao	4.0E-74 AJ006976.1	4.0E-74 AL 163210.2	4.0E-74 AL163247.2		217227.	4.0E-74 AB040909.1	4.0E-74 4504	1	8		M78984	3.0E-74 AA801493.1			2.0E-74 AF020092.1	2.0E-74 AI950528.1	,		2.0E-74 AI557280.1	2.0E-74 AL355092.1	2.0E-74 AL355092.1	BE711					2.0E-74 BF030788.1	2.0E-/4 ABU3/010.1
Expression (1) Signal B	6.22	-	1.29	1.86	107	1.03	1.12	1.12	3.53	0.62	2.32	2.16	28.83	28.83	1.83	1.44	. 10.45	10.45	2.18	252						7		1.8
ORF SEQ ID NO:	29345	20705	30315	30802	30854	31224	31271			36304			L			27501								32519				3 34728
SEQ ID	16335	48780	17824	7,847	1	1	1	1	1	1	1	1_	L	L	1	L	i	l		1_	L	1	7 25816	ł			20335	1
Probe SEQ ID NO:	3460	3840	277	4670		4/30 5/33	5485	6185	8747	£	3	10546	g	8	1202	1273	4.03.4	1625	2668	5119	5119	8698	2109	ğ	6087	6087	7252	81%

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Top Hit Desarbtar	Hamo sapiens chromosome 21 segment HS21C004	zp98a06.s1 Stratagene muscle 837209 Homo sepiens cDNA clone IMAGE:628018 3	7g50a08.x1 NCI_CGAP_Pr28 Home septens dDNA clone IMAGE:3309878 3'	Homo sepiens Misshapen/NIK-related kinase (MINK), mRNA	QV4-ST0234-181199-037-f05 ST0234 Homo sepiens cDNA	Hamo sapiens hypothetical protein FLJ11026 (FLJ11026), mRNA	Homo sapiens beta 2 gene	Homo septens zinc finger protein 259 (ZNF259) mRNA	Homo sapiens mRNA for KIAA0833 protein, partial cds	Homo sapiens chromosome 21 segment HS21C048	Homo saplens DNA for Human P2XM, complete cds	Homo sapiens mannosidase, alpha, class 2A, member 1 (MAN2A1), mRNA	zr60c01.r1 Sogres_NhHMPu_S1 Hamo sepiens cDNA dane IMAGE:067776 5	zr80c01.r1 Scares_NhHMPu_S1 Homo sapiens cDNA clane IMAGE:667776 5'	Homo saplens glutamate receptor, tonotropic, kainate 1 (GRIK1) mRNA	Homo sapiens glutamate receptor, ionotropic, kainate 1 (GRIK1) mRNA	Homo sepiens chromosome 21 segment HS21C068	RC2-BT0642-270300-019-f06 BT0642 Homo sepiens cDNA	hz73h09x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3213663 3' similar to WP:B0511.12 CE17351 :	Human neurofibromin (NF1) game, complete cds	Homo sapiens KIAA0852 protein (KIAA0852), mRNA	601070088F1 NIH_MGC_12 Hamo sapiens cDNA clane IMAGE:3456260 5'	601070088F1 NIH_MGC_12 Hamo saplens cDNA clane IMAGE:3456260 5'	Homo sapiens tracheal epithelium enriched protein (PLUNC) gene, complete cds	MR0-HT0559-230500-021-e03 HT0559 Homo sapiens cDNA	Homó sapiens partial AK155 gene for AK155 protein, exons 1-3 and joined CDS	Homo sapkens partial AK155 gene for AK155 protein, exams 1-3 and joined CDS	Homo sapiens hypothetical protein FLJ10783 (FLJ10783), mRNA	Homo saplens glutathione S-transferase theta 2 (GSTT2), mRNA	Homo saplens glutathione S-transferase theta 2 (GSTT2), mRNA	Homo sapiens DNA for Human P2XM, complete cds	Homo sapiens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1) (genes, complete cds
Top Hit Database Source	INT	EST_HUMAN 2	EST_HUMAN		EST_HUMAN		¥		N N	Z			EST_HUMAN 2	EST HUMAN 2			NT IN	EST_HUMAN F	EST HUMAN	T		EST_HUMAN 6	EST_HUMAN 6		EST HUMAN N		F				IN TN	TN 8
Top Hit Acession No.	83204.2	AA196181.1	BF002855.1	7857334 NT	AW816405.1	N 6282288	1.0E-74 X02344.1	4508020 NT	20640.1	1.0E-74 AL163246.2	02059.1	4768697 NT		1.0E-74 AA258549.1	4504116 NT	4504116 NT	63268.2	BE083080.1	BE467769.1	914.1	11417077 NT	19105.1	49105.1	14562.1	BF351851.1	31550.1	1550.1	11420549 NT	11417856 NT	11417856 NT	02059.1	1.0E-74 AF240788.1
Most Similar (Top) Hit BLAST E Value	2.0E-74 AL1	20E-74 AA1	2.0E-74 BF0	1.0E-74	1.0E-74 AW	1.0E-74	1.0E-74	1.0E-74	1.0E-74 AB0	1.0E-74	1.0E-74 AB0	1.0E-74	1.0E-74	1.0E-74	1.0E-74	1.0E-74	1.0E-74 AL1	1.0E-74 BEOM	1.0E-74 BE4	1.0E-74	1.0E-74	1.0E-74 BE5	1.0E-74	1.0E-74 AF2	1.0E-74 BF3	1.0E-74 AJ2	1.0E-74 AJ25	4.0E-74	1.0E-74	1.0E-74	1.0E-74 AB0	1.0E-74
Expression Signal	5.27	287	1.16	1.5	3.71	1.8	2.59	1.28	0.88	2.26	6.03	2.82	1.29	1.29	0.84	18.0	5.41	0.85	0.87	1.23	1.05	1.27	1.27	7.81	0.67	0.65	9.05	1.17	1.94	4.97	1.61	1.38
ORF SEQ ID NO:	36294			26308	26586			52852	27038	27253		29394	29646	29647	20197	30198	30237	30316	30508	33404	34353	34844	34845	35627	35656	37086	37087	37337	38820		28586	
Exan SEQ ID NO:	22724	25359	26176	13288	13558	13706	13712	13803	13984	14195	15433	16383	16627	10627	17187	17187	17231	17325	17525	19997	20860	21328						23732	25124	25182	15433	25810
Probe SEQ ID NO:	8582	12526	13169	ফ্র	347	512	519	<b>614</b>	804	1024	2301	3200	3460	3460	4031	4031	4075	4175	4382	88 448	7804	8246	8248	9006	9034	10445	10445	10639	12154	12238	12386	12825

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Single Exon Probes Expressed in Placenta

<del></del>	_	_		,	_	,_		_	_			_	,	_	,	_	_		_				_	_								
Top Hit Descriptor	Homo sapiens DNA cytosine-5 methytransferase 38 (DNMT3B) mRNA, complete cds	Homo sapiens chromosome 21 segment HS21C002	wK88a08.x1 NCI_CGAP_P722 Homo saplens dDNA done IMAGE:2417654 3' similar to gb:M14123_cds4 RETROVIRUS-RELATED POL POLYPROTEIN (HUMAN);	601586109F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3940130 5	601126068F1 NIH_MGC_8 Homo sepiens cDNA done IMAGE:2989865 5	2017e08.r1 Strategene colon (#937204) Homo sapiens cDNA clone IMAGE:587174 5	601346909F1 NIH_MGC_8 Homo saplens cDNA clone IMAGE:3687458 5	601348908F1 NIH_MGC_8 Homo sepiens cDNA done IMAGE:3687458 5	602186616T1 NIH_MGC_49 Hamo sapiens cDNA done IMAGE:4298738 3"	tt31c12.x1 NCI_CGAP_GC8 Home septens dDNA clone IMAGE:2242390 3' straiter to TR:P97361 P97361 HYPOTHETICAL 20.1 KD PROTEIN;	QV1-BT0632-210200-079-e02 BT0632 Homo saplens cDNA	yx90h08.r1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:263055 5	CM0-NN0067-150400-335-a11 NN0057 Homo sepiens cDNA	601303866F1 NIH_MGC_21 Homo sapiens aDNA clane IMAGE:3638344 5	Homo sapiens NIPSNAP, C. elegans, homdog 1 (NIPSNAP1), mRNA	Homo sapiens NIPSNAP, C. elegans, homdog 1 (NIPSNAP1), mRNA	Homo sapiens eukaryotic translation initiation factor 3, subunit 8 (110kD) (EIF3S8), mRNA	Homo sapiens NIPSNAP, C. elegans, homolog 1 (NIPSNAP1), mRNA	Homo sapiens NIPSNAP, C. elegens, homotog 1 (NIPSNAP1), mRNA	Homo sapiens myosin, heavy polypeptide 1, skeletal muscle, adult (MYH1), mRNA	Hamo sapiens HTRA serine protease (PRSS11) gene, complete cds	Homo sapiens HTRA sertne protease (PRSS11) gene, complete cds	Homo sapiens mRNA for KIAA0581 protein, pertial cds	Homo septiens syneptojanin 1 (SYNJ1), mRNA	Homo sapiens synaptoscomal-essociated protein, 2840 (SNAP29) mRNA	Hano sapiens chromosome 21 segment HS21C001	Homo sepiens mRNA for KIAA0581 protein, partial cds	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete eds	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete ode	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete cds	Homo sapiens DNA for emylold precursor protein, complete cds	Homo sepiens adaptor-related protein complex 1, sigma 2 suburit (AP1S2), mRNA
Top Hit Database Source	N.	Z	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	Г	EST_HUMAN	EST_HUMAN								NT IN				TN	NT IN	NT		NT IN		
Top Hit Acesston No.	76228.1	8.0E-75 AL163202.2	7415.1	91831.1	72325.1	5.0E-75 AA132611.1	51655.1	31655.1	5.0E-75 BF690254.1	9623.1	81333.1	157.1	97230.1	39464.1	11417946	11417946 NT	5579457 NT	11417946 NT	11417046 NT	7669505 NT	57623.1	57623.1	11153.1	4507334 NT	4759153 NT	3201.2	11153.1	3.0E-75 M72393.1	393.1	393.1		11420956 NT
Most Similar (Top) Hit BLAST E Value	8.0E-75 AF1	8.0E-75	. 6.0E-75 AI81	6.0E-75 BE7	5.0E-75 BE2	5.0E-75	5.0E-75 BES	5.0E-75 BES	5.0E-75	5.0E-75 AI63	4.0E-75 BEO	4.0E-75 N36	4.0E-75	4.0E-75 BE40	4.0E-75	4.0E-75	4.0E-75	4.0E-75	4.0E-75	4.0E-76	3.0E-75	3.0E-75 AF1	3.0E-75 ABO	3.0E-75	3.0E-75	3.0E-75	3.0E-75 ABO	3.0E-75	3.0E-75	3.0E-75 M72	3.0E-75 D87675.1	3.0E-75
Expression Signal	6.1	3.07	1.25	139	1.09	0.77	0.47	0.47	1.1	2.64	2.1	1.68	1.08	5.64	0.68	0.68	5.18	1.4	1.4	10.52	3.6	3.59	2.23	1.44	4.39	96.0	1.09	0.93	0.93	9.0	2.92	1.15
ORF SEQ ID NO:			28654	38466	35731	35944	36034	36035	36283	37078	26373		28048	29101	32120	32121	32828	33458	33459	37642	27258	27256	28134	28444	28740	29279	29449	29616	29617	29995	30418	31434
Econ SEQ ID NO:	15827	26375	15526	24770		22333		22470	22715	23474	13346	13666	14954	16088	18840	18840	19568	20048	20048	24007	14198	14198	15027	15315	15621	16262	16432	16389	16599	16993	17428	18568
Probe SEQ ID NO:	2709	12552	2385	11780	9100	8317	9335	9335	9573	10439	115	471	1805	2910	5646	5648	6389	6898	8689	10924	1027	1028	1883	2180	2494	3086	3258	3431	3431	3833	4283	2366

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	Top Hit Descriptor	in complex 1 sigma 2 subunit (AP1S2), mRNA	Alternoclada chain 1 mRNA, complete cds	American American American des	וופרווופרוופרים ביותרו	Home servious HIR (histone cell cycle regulation defective, S. cerevisiae) homolog A (HIRA), mRNA		Hamo septens HIR (historia cell cycle regulation defective, S. cerevisiae) hamolog A (HIRA), mRNA	duct (NIAAngos) mRNA		A) michae	M) MIKINA	nomolog), zinc linger protein (Sven.), time ex	os protein (DKELCHL), mKNA	NA clone cdABED02 5	AND A NO! CGAP KAS Homo septems dDNA clone IMAGE:1015898 3' similar to TR: Cessoo Lossoo		webodo 2x1 NCI CGAP UM Homo septiens cONA done IMAGE 2832707 3' similar to contains PTR7.th	2 ) (notice)	S A Cycle and Company of the Cycle and Cycle a	T0640 Homo capiens Culty	10040 Fromo Supients waren	Z57103.s1 Sceres_testis_NHT Home saptens cDNA dotte INANGE: Zerec 5 curing a septis_NHT Home saptens cDNA dotte INANGE: Zerec	JMAN);	no sentens CDNA clone IMAGE:4129678 5	7240) Homo serviers aDNA done IMAGE:868599 3'	ec// box s1 Stranger will move the second to the second 7-49, and partial cds, alternatively		mo sapiens dDNA dane IMAGE:3922303 6	wisabioxi NCI CGAP GC8 Home septens cDNA clone IMAGE:2307168 3' similar to TR:076239 U/3239	TRAP1;		285b7.s1 Soares_fetal_Iver_splean_1NFLS_S1 Homo sepiens cDNA clone IMAGE:4475413	
	Top Hit Descri	mPNA sample 2 sabunit (AP1S2), mRNA	Homo sapiens edaption-related process conjugate, it was a sapiens edaption of the samplete ods	Homo sapiene cyclopasmic dy reil illumination chain 1 mRNA complete cds	Homo saplens cytoplasmic dynam meanned with the	Home serviens HIR (histone cell cycle regulation defective, S		Homo septens HIR (histons cell cycle regulation defective, S	Homo sapiers KIAA0623 gene product (Newtons), IIII.	Homo sapiens KIAA0623 gene product (no control)	Hamo sapiens Oncogene TIM (TIM) midNA	Homo sepiens Oncogene TIM (1 iM) mixinA	Homo sapiens sneil 1 (drosophila homolog), zinc iinger protein (Svoru), titi ver	Homo sapiens Drosophila Kelch like protein (DKELCHL), mKNA	AV734880 cdA Homo sablens cDNA clone cdABED02 5	ACCHARGO AT NCI CGAP KICE Homo sepiens CDNA clone I	PO FIN GENE:	w60d02x1 NCI CGAP Ut4 Homo septems cDNA clone IN	PTR7 repetitive element;	H. sapiens ENCAZ gene, excris 1 or 4 (per um.)	RCS-BT0040-020300-031-H03 BT0640 Homo septens CLNA	RCS-BT0640-020300-031-H03 B10640 Homo supleme which	2457h03.s1 Sogres testis_NHT Homo saplans cDNA clone	RIBOSOMAL PROTEIN S17 (HUMAN);	60180029411 NIT MCC 10 Homo sentions CONA clone IMAGE:4129678 5	601800284F1 NIII MOC. 19 1000 Amplians ONA done IMAGE:868599 3	BC//DOCST ORGENGER HING (NOVIEW)	Homo sapiens ceicum channa airna in cultura (c. c	601437130F1 NIH MGC 72 Homo sepiens dDNA dane IMAGE:3822303 6	wt30b10x1 NCI CGAP GC8 Hamo saplens cDNA clark	TRAP1;	Wesdeldari NG_CGG_GGG IMING CHANGE TRADE	285507,s1 Soares fetal Iver spleen 1NFLS 31 Homo:	
Single Exoli r 1920	Top Hit Database	Ballos		Ę							N	LN.	±N.		COT LIMBARI	TO LICENSE	11 11 11 11 11 11 11 11 11 11 11 11 11	ESI HOMAN	EST HUMAN	N	EST_HUMAN	EST HUMAN		EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN		NT TOT	ESI JOURNA	EST_HUMAN	TOTAL TOTAL	EST HUMAN	
Billig	Top Hit Acession		11420956 NT	3.0E-75 AF123074.1	2 DE-75 AF123074.1		11526319 N	11528319 NT	T662209 NT	TN 6022897	4885632 NT	A885632 NT	TM 4420804 NT	TA COCCOST	11420241	2.0E-75 AV734680.1		AI311783.1	1.0E-75 AW168135.1	4 NE 75 X59991 4	1.0E-75 BE082528.1	BE082828 1	- Constant	1.0E-75 AA399270.1	BF313645.1	1.0E-75 BF313645.1	AA684377.1		1.0E-75 AFZZ3391.1	BE804192.1	9.0E-76 AI652648.1		9.0E-76 AI652848.1	1001000
	Most Similar (Top) Hit	Value	3.0E-75	3.0E-75	2 OF-75 A		3.0E-75	3.0E-75	3.0E-75	9 OF 75	3.0E-75	2 05 75	3.0E-73	3.0E-70	3.0E-75	2.0E-75	•	2.0E-75 Al3117	1.0E-75	1 OF 75	1 0F-75	4 OF 75 BE08	1.00			L						1		
	5		1.16	0.50	93.0		1.57	15	4.12	ç	200	3 8	B	1.55	0.83	1.34		1.36	10.98		787		\$0.0	3.12						197	0.89			85.0
		S Z C	81435	20100	2012	8138	33654	2385K	23824	1788	23822	34340	34347	35805	36504			35570	DORTH				34312		26253		1		38067	31538	28202		4 26293	8
	SEO ID	ë	10550		Q /AL	19796	20224	1	. L	. 1	1	_1		22263	22820	L		22022	L	1	ı	. 1	282	04680	1.	L	1		1 24413	Ĺ_	10001	0761	- 1	15613
	Prop S		100	8	38	8837	OU OU	8	6069	282	7285	7800	7800	9185	888	5790		8850		7377	3012	7762	7762	\	8 8	8	2	2711	11351	12440			4	2486

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	Top Hit Descriptor	2073.07.r.1 Strategere pancress (#837208) Homo sapiens culvin culic immodification gat 32978 MIXED LINEAGE KINASE 1 (HUMAN);	, complete cds	ians aDNA clone IMAGE:271842 5'	VA done IMAGE:2773009 3'	NA clone IMAGE:757461 5	NA clone IMAGE:757461 5'	upiens cDNA	apiens cDNA	epa eqa	ete cds	tete cds	undein 1 (IGBP1) mRNA		protein 1 (CREB1) mRNA	(GM2A) mRNA	(GM2A) mRNA	apiens cDNA clone IMAGE:701925 3'		ALACO Scares testis NHT Homo sapiens CDNA clone IMAGE:780986 3' strailar to SW:11B3_HUMAN in	P18084 INTEGRIN BETA-5 SUBLINIT PRECURSOR;	PARAMENTEGRIN BETA-5 SUBUNIT PRECURSOR; PARAMENTEGRIN BETA-5 SUBUNIT PRECURSOR; PARAMENTEGRIN BETA-6 SUBUNIT PRECURSOR;	ale ods	9083	aplens cDNA	homolog (MRV11) mRNA	partial cds	tial cds	783), mRNA	10 (AKAP10), mPNA	
Single Exon Probes Expressed III I lacorna			Т	Т	Т	T	T	ı	Т	Т	Himmen mRNA for possible protein TPRDII, complete cds	Harman many for nossible protein TPRDII, complete cds	Loren carbons frammonobulin (CD79A) binding protein 1 (IGBP1) mRNA	Homo cambre director (GCG) mRNA	Home series cAMP responsive element binding protein 1 (CREB1) mRNA	Home seriens GM2 candioside activator protein (GM2A) mRNA	I SALO CALO CANO CONTINUED CONTROL (GM2A) INRINA	Т	7	Т				Human mixtha for possible process	7	Т	Continuo septeta (Interpresental (GGO18) game, partial cds	Homo sapiens mRNA for KIAA1081 protein, partial cds	Homo sepiens KIAA0783 gene product (KIAA0783), mRNA	Homo sapiens A kinase (PRKA) anchor protein 10 (AKAP10), mRNA	
Exon Pig	Top Hit Database Source	EST_HUMAN	EST HUMAN	NT TOT	TOT THE MAKE	TOT LINAAN	EST HIMAN	ECT LIMAN	WIT TOO	NOW I SE			z !	z !	z !	Z	Ž	Ę	EST HUMAN	SWISSER	EST HUMAN	EST HUMAN	EST_HUMAN	Ę	Σ	EST HUMAN	N I	Ž Z	2 2	2 2	
Single	Top Hit Acession No.			-	1		T	3.0E-78 AA442308.1	3.0E-76 AW96/984.1	3.0E-76 AW956450.1	2.0E-76 D84295.1	2.0E-76 D84295.1	20E-76 D84295.1				45040Z8 N1	4504028 NT	2.0E-78 AA253954.1	P23266	2.0E-76 AA445992.1	AA445962.1	2.0E-76 AI821149.1	2.0E-78 D84295.1	AL163283.2	8	5 6174586INT	2.0E-76 AF127845.1	ABOZSO	11421320 N	
	Most Similar (Top) Hit BLAST E Vetke	3.0E-76	3.0E-76	3.0E-76	3.0E-76	3.0E-78	3.0E-78	3.0€-76	3.05-78	3.0E-78	2.0E-76	2.0E-76	20E-78	2.0E-76	2.0E-78	20E-78	2.0E-76	2.0E-76	2.0E-78	2.0E-70 P.23	2.0E-76	2.0E-76 AA4	2.0E-78	20E-70	2.0E-78 AL16				.		20E-76
	Expression Signal	0.92	0.61	8.19	1.27	3.03	1.08	1.08	2.1	6.95	1.11	321	3.21	96'0	1.07	1.68	11.31	11.31	0.89	2.13	22		88'0			11.15	3.13			0.66	
	ORF SEQ ID NO:	32347	32625	33027	34961	36544	36572	36573	31763	31542	26544	26590			26812				1	29097	20555								9 32228		3 34139
	SEQ 10	1004	Ĺ	L	1_	_		22981	26943	L			ı	1	1	L	1		1_	1_	l	1		1	L		1_	1_	L	1_	20663
	Probe SEQ ID	7.00	3 6	88	834	168	8942	8042	1214	12251	282	353	352	473	803	1056	1568	15.00	1982	7087	8	8000		3000 A26A	4653	1	5463	5424	5736	7570	7592

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	<del></del>	_	7	7	_	_	τ	т-	Т	Τ	т	-т	_		Т	Т	Т	Т	Т	Τ <sup>‡</sup>	ïª	- T	7 17	-	0.	4-	۲	11	
	Top Hit Descriptor	H. sapiens mRNA for ubkquitin hydrolase	Homo satiliens 3-hydroxylsobutyryk-Coenzyme A hydrokase (HIBCH), mRNA	Home sapiens 3-hydroxyisobutynyk-Coenzyme A hydrolase (HIBCH), mRNA	Home entire section region (SNX6) mRNA	TOTIO Septens source (State)	Homo sapidals saling freezh a (arka), maran	Human mRNA for KLAAU289 gene, paruar cos	Human mRNA for KIAAUZSB gene, partial cos	Home sapiens SET domein end menner transposes (usion) gara (or monty) misson	Home saplens SET domein and martiner transposase tustoring and (SET Mark) Illinoises and civilian to	yu84g01.r1 Weizmerin Olfactory Epithelium Homo Espiens CUNA Gothe IMACE_LSOCOCO 5 SILLING SP.517447 S17447 PROBABLE LIGAND-BINDING PROTEIN RYZG5 - ;	** Admin of Weigmann Offerbroy Edithelium Home septens cDNA done IMAGE: 238608 6 stmiler to	SP.S.17447 S17447 PROBABLE LIGAND-BINDING PROTEIN RYZG5-;	PMS-MT0078-080800-005-gd3 MT0078 Homo sapiens GLINA	AV764617 NIUS HOMO SELICITO CALVA CALVE MILOSO IT 10 C	RCS-BN0685-170200-011-011 BN0683 mails express colors	Homo sapiens Ciffil gare, 5 end	HORD SEGURIA CALLY IS MANUAL SEGURIAL S	Homo sapiens minina to NIAA1413 process, parka was	HOMO SECTION IN TAXABLE DESCRIPTION OF THE PROPERTY OF THE PRO	ho43b05.x1 Soares NFL T GBC ST Homo sepera duta care invacator de suma sepera duta se suma sepera su sago, HUMAN P10284 RETROVIRUS-RELATED GAG POLYPROTEIN;	w22g02x1 NC _CGAP_Bm52 Homo septens dJNA done liwASE:ZZOV-CO 5 stilled in 10.000-200.   pes246 F2HE10.7 PROTEIN.;	IW22g02Xf NG_CGAP_Bm52 Homo septens dDNA done IMAGE2Zg04g0 3 striket to Incourse O65246 F21E10.7 PROTEIN.;	Ins68g12.81 NCI_CGAP_P72 Hamo sapiens cDNA clane IMAGE:1188838 similar to SW-F4.29_HUMAN	P47914 00S RIBOSOMAL PROTEIN L29. [1] ;contains element MSR1 repetitive element;	BUTTBESKT I NIT WISE IT FINITE SEPTEMBLE CONTROLLED TO SEPTEMBLE	6014/880/271 NITH MAC COLUMN STREET CON CONTROL MAGE 2377720 3' SITTISE to TR:Q13311	Q13311 TAXI-BINDING PROTEIN TXBP151.[1];
	Top Hit Database Source	Ę	150			Z	NT	NT	NT	NT	NT	EST HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	¥	Z	Ę	¥	EST_HUMAN	EST_HUMAN	EST HUMAN		EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN
	Top Hit Acesslan Na	X98296.1	TMIONGOVYY	TN 0400444	1142048	11421928 NT	11421928 NT	\B002297.1	8	5730038 NT	5730038 NT	165167.1		H <del>05</del> 167.1	3.0E-77 BF359917.1	2.0E-77 AV764617.1	2.0E-77 AW997712.1	2.0E-77 L41825.1	7706315/NT	2.0E-77 AB037836.1	2.0E-77 AB037838.1	2.0E-77 BE044318.1	2.0E-77 AIB13519.1	Al643519.1		2.0E-77 AA663025.1	BE298940.1	BE787143.1	2.0E-77 AI833003.1
	Most Similar (Top) Hit BLAST E Value	5 OF-77	_	3.05-77	//-anc	5.0E-77	6.0E-77	5.0E-77 AB00	5.0E-77 ABOO:	3.0E-77	3.0E-77	3 0E_77 H664		3.0E-77 H951	3.0E-77	2.0E-77	2.0E-77	2.0E-77	2.0E-77	2.0E-77	2.0E-77	2.0E-77	2.0E-77	2 0F-77 AIB1		2.0E-77			
-	Expression Signal	0 70		121	1.21	2.61	2.81	260	180	230	8	2	2	80	283	1.74	9.74	1.1	2.75	1.69	1.60	1.98	0.67	6		2.34	2.08	1.86	15.02
	ORF SEQ ID NO:	24027	34021	35183	35184	36335	36336	37346	37347	78277	28278	l _	30138	37140	37819			28419	28432	_	28896				_	31006	32586	32820	33869
	Econ SEQ ID NO:	1	RES	2164	21644	22765	27765	23741	23741	15170	15770		23531	28534	L	L	_	L	15305	1	16067	١.	_	L	1,012	18021	1_	19474	20407
	Probe. SEQ ID NO:		/9//	8983	8563	9768	9760	10708	40704	2020	2000	2003	10498	40708	11116	1383	464	2157	272	3650	2659	4143			*****	284	6075	88	7325

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Single Exoll Flores Expressed in the second	Top Hit Descriptor	qy70c09x1 NCi_CGAP_Bm25 Homo sepiens cDNA done iMAGE;201 /360 3 smile to vr_r_sep in a CB5766 LOW DENSITY LIPID RECEPTOR-RATED PROTEIN;	Human protein kinase C substrate 80K-H (PKKCSH) gens, audi i	Human protein kinase C substrate serven (Francisco) years, commission of the commiss	601885183F1 NIT MICC. 18 TIGHT Squight CDNA character MAGE:41245415	60188518ST NIT MCC_18 Trullo Square Corp.	Hamo septens minute for NIVA 1976 minute persons		Homo sapiens emyloid beta (A4) precursor protein (protease nexin-li, Alzheimer disease) (APP), mRNA	Homo sepiens amyloid beta (A4) precursor protein (protesse nevin-II, Alzheimer disease) (APP), mRNA	Homo sepiens emyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease) (APP), mRNA	Homo sapiens amyold beta (A4) precursor protein (protease nexin-II, Abzheimer disease) (APP), mRNA	ww83e05.xf Sogree_thymus_NHFTh Homo sepiens cDNA clone IMAGE:2536160 3	Homo sapiens mRNA for KIAA1101 protein, complete cds	Home sapiens 2.4 diency CoA reductase 1, mitochondrial (DECR1), mRNA	Hamp septens CGI-60 protein (LOCS1628), mRNA	Hormo serients 8:39 to contip between AMIL1 and CBR1 on chromosome 21q22; segment 1/3	Homo serviens breast cancer 1, early onset (BRCA1), transcript variant BRCA1-extra4, mRNA	gnOSGO4.x1 NCI_CGAP_Kid8 Homo sepiens cDNA clane IMAGE:1981110 3'	Homo sapiens dynactin 1 (DCTN1) gene, exons 27 and 28	Homo septens dynactin 1 (DCTN1) gene, exons 27 and 28	Human von Willebrand factor gene, exon 20	Homo septens diaphancus (Drosophile, homolog) 1 (DIAPH1), mittiva	Homo sepiens elestin (supravalvular eortic stenosis, Williams-Beuren syndrome) (ELLV), minus	Homo sapiens culin 1 (CUL1), mRNA	Human mRNA for kidney epidemel growth factor (EGF) precursor	H.sapiens DNA for Cone cGMP-P-DE gene	H.sepiers DNA for Cone comP-PUR gene	Hamo septens nutsical in minute for duction/final series complete cds	TIMES SECTION OF THE COLUMN TO
SCOLL HOX	Top Hit Detebase Source	EST_HUMAN	IN		EST HUMAN	EST HUMAN	NT	LN	Þ	ΤΝ	FA.	   	EST HUMAN	Ę	5	2 2		E A	EST HIMAN	NT.	I'N	LN FN	N.	N	Ę	M	NT	N	<u>اج</u>	Ž
Single	Top Hit Acession No.	707.1	1.1		349.1	349.1	3102.1	1.0E-77 AB033102.1	4502/166 NT	4502166 NT	4502186 NT	4502186 NT	1.0C-77	T	0000	TM OOCSOCT	20011	AJZSJU41.1	1.0E-//			Ī	4885182 NT	5881412 NT	11420159 NT	1.0E-77 X04571.1	X94354.1	X94354.1	1.0E-77 AB028396.1	AB029396.1
	Most Similer (Top) Hit BLAST E Velue	2.0E-77 AI362	2.0E-77 U5032	2.0E-77 U503	2.0E-77	2.0E-77 BF310	1.0E-77 AB03:	1.0E-77	1.0E-77	1.0E-77	1.0E-77	4 0E-77	1.05.77	1.0E-171	100	1.0E-77	1.0=-17	1.0E-77	1.00-1	1.05-77	4 0E-77	1.0E-77 M25	1 0E-77	1.0E-77		L				
	Expression Signal	0.86	5.68	5.68	0.47	0.47	2.62	2.62	1.68	1.68	3.4		# C	8 .	21	228	4.24	22.17	205	0.61				1						1.05
	ORF SEQ ID NO:	35343		36367	١			26289	28633													32220	١							5 37388
	Exen SEQ ID NO:	2,808	1	1_	L	1_		L	L			.l		⅃	_1				- 1	- 1	- 1	19233	1	86/80		4 COSES	L		1	2 23775
	Probe SEQ ID NO:	8728	8778	9728	10199	10199	4	4	283		goa	8	8	- 88	2516	3110	4473	4646	4774	4815	g	605	01/2	8 2	991/	3 5	9870	PAR	10742	10742

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Table 4
Single Exon Probes Expressed in Placenta

	Γ	Γ	Γ			Γ	Γ	Γ	Γ		Γ	Γ		Γ				Γ	<b>1</b>	1	П	7	业	44	3		r d	7	9		f
Top Hit Descriptor	Human transforming growth factor-beta precursor gene exons 4-5 (and joined mature peptide)	Hamo saplens gene for AF-6, complete cds	Hamo sapiens eRF1 gene, complete cds	Hamo sapiens eRF1 gene, complete cds	Homo sapiens SH3 and PX domáin-containing protein SH3PX1 (SH3PX1), mRNA	AU140604 PLACE3 Homo sapiens cDNA clone PLACE3000373 5	Homo sapiens synaptojanin 1 (SYNJ1), mRNA	Homo saplens synaptojanh 1 (SYNJ1), mRNA	CM0-HT0180-041099-06507 HT0180 Homo sapiens cDNA	QV0-HT0367-150200-114-g09 HT0367 Homo sapiens cDNA	Homo sapiens type IV collagen alpha 5 chain (COL4A5) gene, exon 20	EST182583 Jurkat T-cells VI Homo sapiens cDNA 5 and	ULHF-BK0-asj-g-10-0-UI.r1 NIH_MGC_36 Homo expiens aDNA done IMAGE:3054189 67	UHIF-BK0-asj-g-10-0-UI.r1 NIH_MGC_36 Homo sepiens cDNA clone IMAGE:3054139 5'	602186529F1 NIH_MGC_49 Homo sapiens cDNA clone IMAGE:4288599 5'	AV714177 DCB Homo capiens cDNA clone DCBAW F09 5'	Pt2.1_16_B07.r tumor2 Homo sapiens cDNA 3'	Pt2.1_16_B07.r tumor2 Homo sapiens cDNA 3'	qisbinos.xi NCI_CGAP_Brinzs Homo sapiens cDNA clone IMAGE:1859961 3' similar to WP-R90.1 CE06325 PROTEIN KINASE;	HTM1-025F1 HTM1 Homo saplens cDNA	za48f12.s1 Soares fetal Iver spleen 1NFLS Homo sepiens cDNA clone IMAGE:295823 3'	Homo saplens GAP-like protein (LOC61306), mRNA	AV648699 CLC Hamo sapiens cDNA dane GLCBMC013	Human serine/threonine kinase MNB (mnb) mRNA, complete cds	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens similar to lymphocyte activation-associated protein (H. sapiens) (LOC63140), mRNA	Homo sapiens peptide YY (PYY), mRNA	RC2-BN0074-090300-014-012 BN0074 Homo sepiens cDNA	Homo sapiens mRNA for activator of S phase Kinase, complete cds	Homo sapiens ubiquitin-conjugating enzyme E2E 3 (homologous to yeast UBC4/5) (UBE2E3) mRNA	Homo sapiens hypothetical protein FLJ11294 (FLJ11294), mRNA
Top Hit Database Source	NT	NT	NT.	NT	Į.	EST_HUMAN	TN	LN TN	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN .	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN	NT	NT	TN	Ę	EST_HUMAN	M		
Top Hit Acesslon No.	144.1	1399.1	5901.1	5901.1	TN 6078077	3.0E-78 AU140604.1	4507334 NT	4507334 NT	E144758.1	E156318.1	189.1	A311872.1	W 402306.1	2.0E-78 AW 402306.1	F689800.1	V714177.1	2.0E-78 AI557509.1	1557509.1	7837.1	19409.1	51.1	11417304 NT	1.1		11430460 NT	11435903 NT	11525891 NT	0837.1	28070.1	6454145 NT	11430822 NT
Most Similar (Top) Hit BLAST E Value	4.0E-78 X058	4.0E-78 ABO	3.0E-78 AFX	3.0E-78 AF08	3.0E-78	3.0E-78	3.0E-78	3.0E-78	3.0E-78 BE14	3.0E-78 BE1	2.0E-78 U044	2.0E-78 AA3	2.0E-78 AW4	2.0E-78	2.0E-78 BF68	2.0E-78 AV7	2.0E-78	2.0E-78 A155	2.0E-78 AI19	2.0E-78	2.0E-78 N660	1.0Ё-78	1.0E-78 AV64	1.0E-78 U52373.1	1.0E-78	1.05-78	9.0E-79	9.0E-79 BEDC	9.0E-79 AB02	9.0E-79	9.0E-79
Expression Signal	6.72	3.03	1.60	1.09	1.01	0.81	0.78	0.82	5.44	2.5	2.49	90.1	4.09	1.09	3.36	2.49	1.72	1.72	9.58	1.47	3.01	3.16	0.82	1.81	1.83	2.44	4.04	1.6	16.98	2.62	0.98
ORF SEQ ID NO:	38538	31991	26417	28418	28736		30074	30074		37837			34177	34178	34466	34832	35262	35263	38048		38108	31597	31514		32107	32086	30838	31083	31781	32896	33301
Exen SEQ ID NO:	24842	25568	13380	13390	15615	17020	17071	17071	23528	24296	16366	17276	20700	20700	20960	21312	21726	21726	24389	24420	24447	18621	18521	21434	25234	25299	17953	18115	18746	19837	19908
Probe SEQ ID NO:	11854	12855	.165	165	2488	3860	3918	1224	10493	11227	3191	4122	7631	7631	806/	0628	8646	8646	11336	11358	11386	6420	7094	හුන	12324	12422	4820	4986	5549	0410	6752

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Single EXON Probes Expressed in the second state of the second se	Top Hit Descriptor  Top Hit Descriptor	Homo saplens Bct-2-essociateo utanach promining (TTC3), mRNA	Homo sapiens terrau notice lettors and characters of CAHE116	AV688115 GKC Homo septems Curvo Company CONA clone IMAGE: 208541 3'	yr48iO3.s1 Soares fetal liver spicesh Tinning Training and Training Trainin	601159415F2 NIH_MGC_63 Home sapiens dutuk dione introc301119	Homo septens BCL2-like 2 (BCL2L2) mRNA	Homo septers Gardner-Resheed feline sercoma viral (High) choogens hallowed (1 m y	Homo sapiens Gardner-Rasheed feline sercome viral (v-fgr) oncogene namaly (v-cv)	th 18107 X1 NCI_CGAP_P/28 Homo septens culva cone invace_1 into (prings) mRNA	Homo sapiens phosphodiesterase 6A, cGMP-specific, rou, alpira (1 DCm.),	Home septens phosphodiesterase 8A, cGMP-specific, rol, april (1 Co. 1)	Homo sepiens mRNA for Fas-associated factor, FAF1 (Fan gane)	Homo expiens hepatocelular carcinoma essociated antigen 88 (Filthoo) Illinoo, carino	Homo sapiens mRNA for KIAA0937 protein, partial cds	Home see letter charles channel CLC4 (ClC4) mRNA, complete cds	Homo scolens mRNA for Fee-associated factor, FAF1 (Faf1 gene)	Homo saciens chromosome 21 segment HS21C006	EST182926 Jurkat T-cells VI Homo saplens CDNA 6' and similar to similar to C. deglars hypothesis	oosmid B0303.15	Train September mRNA for KIAA0830 protein, partial cds	Sho delamas Andre anno 64	Homo sepiens membrane essociated calcium-independent prosprioupase Az ganna in a carte de appiens membrane essociated calcium-independent prosprioupages Az BRA	Homo sapiens Rho GTPase activating protein o (ANNEW 9), common sapiens Rho GTPase activation of ARHGAPS), transcript variant 4, mRNA	Homo sapiens Rho GI Pase acuvating protein 1 mRNA	Homo sapiens retinoplastion in (P107) (1000), mRNA	Homo sapiens importation programmer (F. 120275), mRNA	Homo saplens hypothetical protein in Local College MRNA	Homo sapiens hypothetical protein I Luzuki o (Tuzuki o).	Homo sepiens similar to ATPass, H+ transporting, rycosoniae (************************************			RC4-BT0310-110300-015-f10 BT0310 Homo sapiens dONA	
Exon Propes	Top Hit Detabase Source	NT		EST HUMAN	EST HUMAN	EST HIBAAN	TA L	1	Į.	EST HUMAN	15	15	172	E LA	z t	Ž!	Z	IZ T	Z	EST_HUMAN	LN G	¥	뒫	9NT	1NI6	2 NT	S NT	BINT	IN BI		Z Y	Z	FST HUMAN	
Single	Top Hit Acession No.		10835036 NT	7698115.1	24.20.4	001681	E3/92/0.1	4/0/04/	488524AINT	1500747 4	2.0E-/9 Alaza/#1.1	TN SPORORY	Į;	JZ/1408.1	2.0E-79 AF244138.1	(B023154.1	F170492.1	VJZ71408.1	2.0E-79 AL163206.2	2.0E-78 AA312223.1	11181769 NT	2.0E-79 AB020637.1	A 52369643 4	2.0E-19 M 2000 7382479 NT							11432184 NT	2.0E-79 S72869.1	20E-79 S72869.1	BELOGESON: 1
	Most Similar (Top) Hit To BLAST E	3 DE-79 AF249273.1	3.0E-79	S OF TO AVE	300	2.0E-79 FIGS 12	2.0E-79 BE37	2.0E-79	20E-79	205-/8	2.05-79	2.05-79	2.0E-79	2.0E-79 AJZ/	2.0E-79	2.0E-79 AB0	2.0E-79 AF1	2.0E-79 AJZ	2.0E-79	2.0E-79	20E-79	2.0E-79			1									
	Expression Signal	82.0	2 2	3 6	0.92	4.4	1.05	1.14	4.97	4.97	2.15	6.17	6.17	1.35	1:1	12	0.69	1.25	0.83	1.08	0.0	1.19		0.68	200					0.55	0.69			2.94
	ORF SEQ ID NO:	120,0	10000	36230	1		26864	27186	27239	27240		28478	28479					30414			92840		L							4 35588	35823	۱		37987
	SEQ ID		2439	898	23590	13515	13837	14124	14178	14178	14226	15349	1	l	ı	1	i_	1_			1	1	١.			$\perp$	$\perp$		5 22044	5 22044	22783	L	1_	24350
	SEQ ID	1	8228	8003	10555	88	<u> </u>	¥g	1007	180	1000	2215	22.16	2288	7887	2000	40.8	4280	4813		8	8 8		7100	7317	7317	8292	8714	8965	8965	y K	2000	10297	11284
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	Top Hit Descriptor  RD4-BT0310-110300-015-f10 BT0310 Homo sapiens cDNA	Homo sepiens KIAA0879 protein (KIAA0879), mKINA	Homo septems mRNA for KIAA0835 procen, per use of those receptor 1 (CELSR1), mRNA	Homo sapiens oacherin E.G. L. L. Savan Passo C. Sp.	MR0-NN0087-289690-01/-010 NN0081 NOTING COMP MAGE:2281288 3' similar to TRQ26623 Q28623	tystella NC_CGAP_UC Haine square Company	TEK IN CT	TEKTIN CT.: 601311617F1 NIH MGC_44 Homo saplens CDNA done INAGE:3632909 5	QV2.HT0540-120900-350-815 H 10545 Home semiens CDNA clone IMAGE:2151438 3	a/Teack_XI Berstead colon ht Live I consider CONA done 1343648 3'	at23e05.s1 Scenes tests NH1 Hamp seviens CDNA done 1343648 3'	at23e05.s1 Sceres tastis INTI rutio separation IMACE:3936081 5	601581652F1 NIH_MGC_7 Home sapratis controlled transporter, y+ system), member 8 (SLC7A8),	Homo seplens southe certier terring a commentation of the commenta	mRNA: Homo espiens solute carrier family 7 (cationic emino acid transporter, y+ system), member 8 (SLC7A8).	mRNA modeln (RBM) pseudogene mRNA, partial cds	Homo sapiens Y chromosome spermanogenests carmana F. Libert Scaliers KIA40724 gene product (KIA40724), mRNA	Truing April 24 Gard product (KIAA0724), mRNA	Home separate from domain (PIPRF interacting) (TRIO), mixing	Homo sapiens upper upper interesting) (TRIO), mRNA	Homo sapidats upper turnores were (CIABO) sens, perfet ods	Califrary Jaconius Orleanu y Townson In 1978	HERAID YING CGAP BITZS Home septens CDNA clone IMAGE:2103459 3' similar to SW:NOEM_NOWN:			Homo sapiens minichromosome menuna namos deficient (S. cerevisiae) 3 (MCM3), mRNA	Homo sapiens mindromosome menua parto concernity (MDH2), mRNA	Homo saplens malate denydrogarase 2, 1000 (100 dene)	Homo sepiens mRNA for gynean treaty cream (C)	
Single Exon Probes	Top Hit Databese Source		5		EST HUMAN		EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN		Ę	Į,	Ę	Z	N.	INT	LN	Z		FST HUMAN	Į.	NAT	LN N	IN C	노	
Single	FO S	73067	5 10003	14448322	3.4					T	T	T		1	11433924 NT	11433624 NT	94387.1 NT	11422847	11422847 NT	6005921 NT	6005921 NT	7 DE 80 AF1278821		1 20000 1	8.0E-80 AI42Z197.1	6.0E-80 (October 1			A 14044	
	Most Similar (Top) Hit BLAST E Value	2.0E-79 BE064388.1	2.0E-79	ZOE-78 ABUZUO	20E-/8	1.05-79.01	1.0E-79 AI613480.1	1.0E-79 AI813480.1	1.0E-/8/DE	1.0E-/9 Br 00/100-	1.0E-79 AF	9.0E-60 AA7 230-0	9.0E-80 AA/23840.1	A'OE-ON	9.06-80	9.0E-80	8.0E-80 U94387.1	8.0E-80	08 30 8	00 P	3 2 2	20E 80 8	1,367		8.0F-80	8.0E-80	8.0E-80	6.05-90	8.0E-80	
	Expression (To Signal BL/	2.94				328	0.65	0.65	6.0	1.9	4.4	6.95	6.95	1.3	7.83	7.63	19	Cac		787	7	77	19.0		0.74	2.41	1.14	1.14	1.46	0.00
	ORF SEQ D NO:	37988	31634	32100	32067		33394	33395	35049	38609		29399	29400	36842	38288	38289	-		34328	34329	36228	36229	31497		27162	01672	28628	28629	$  \  $	32726
	Exam ORI SEQ ID ID	24350	<u>\$</u>	25219	25362	25830	19986	19986	21520	24908	20102	16389	16389	23253	24600	24609		68853	20836	20836	22857	22657	18540		14098	L		L		19375
	Probe SEQ ID SE	14284		١	<u>L</u>			·	L	L	L	3245	323	40217	1	1	3	3694	7780	138	8802	2096	7114		823	1875	2372	2372	5922	6220
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SINGLE EXCIT FLORES LANGUAGE TO THE MACHINE	Top Hit Descriptor	VINCE (NU II DAY &	Homo sepiens tubby like protein 3 (10LP3), mirary	Homo eapiens KUAA0941 prosein (KIAA0941), mirawa	Hamo sepiens dystrophin (UNID) mrkVA, comprese cus	Homo sapiens G protein-coupled receptor of (or No.), minuty	Homo sapiens G protein-coupled receptor of Carnot A mittan	Homo sepiens chromosome 21 segment HSZ1C101	Homo sepiena HSPC (46 mRNA, complete cds	Human cone photoreceptor o'GMP-phosphodiesterase apma suburing gene, two 2.	Homo saplers brefeidin A-millioned guardire nucleolate and range process	Hone saplers Cyt19 mrdvA, compage ous	Homo sapiens N-ectiviguosemine-prospring intrasormon, confront	158402.X1 NCI_CGAP_Bm23 Homo septens cDNA cione IMAGE:2103459 3' similer to SW:NUEM_HUMAN Q16785 NADH-UBIOUINONE OXIDOREDUCTASE 39 KD SUBUNIT PRECURSOR ;	Homo sepiens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase treta 1 (GSTT2)	genes, complete cds	Homo saplens (CS) gate to chear cause authorized and an arrangement of the chear of	Homo septens microx for society and septens (SOC. 2 gent)	Homo sapiens processoms (prosons, insert open).	Homo saplens serine-threamne protein kineso (kinesh) mistor, complete cds	Homo Saparas Salitar Indonesia	H. Septembritan (www.1.2)	Home services mBNA for KIAA1434 brotein, perties cds	There and the history family member J (H3FJ) mRNA	HULL CANADA HALT 1 WRINA for beta-1 4 mannos/transferase, complete cds	Home semens HMT-1 mRNA for beta-1,4 mannos/furansferase, complete cots	Trains expension that the second second HS21008	TOTAL September 2 clean Review of the Review	INCOMING NATURAL WINNESS AND SECOND SECONDATIONS OF THE SECONDATIO	TOTICIOS TIMO LIMINO CONTROL C	HOTIO SECUENCIA MINIMA MANAGEMENT CONTRACTOR SECUENCIA CONTRACTOR SECUENCIA CONTRACTOR HOTIO SECUENCIA CONTRACTOR SECUENCIA SECUENCIA SECUENCIA SECUENCIA SECUENCIA SECUENCIA SECUENCIA SECUENCIA SECU	ans cDNA clone IMAGE:15670543' similar to	TR:C35780 C36780 PIG-L;
EXUIT FIOURS	Top Hit Database Source						F	Z	NT	NT	5	Z	N.	EST_HUMAN		TN	Į.	Ę	Į,	¥	Į.	ĮŅ.	Į.	Į.	i N	Z	Z	z		EST_HUMAIN	Ę	EST_HUMAN	EST_HUMAN
Single	Top Hit Acession No.		11436736 NT	7882393 NT	33.1	11526464 NT	11526464 NT	301.2	1495.1		7366			6.0E-80 AI422197.1				6.0E-80 AJ133127.1	6228				5.0E-80 AL163283.2	5.0E-80 AB037855.1	4504292 N I	4B019038.1	4B019038.1	8	DDM0283 NT	4.0E-80 F26915.1	AL 163210.2	3.0E-80 BE817465.1	3.0E-80 AI091675.1
	ig # m	enus A	6.0E-80	6.0E-80	6.0E-80 M185	6.0E-80	8.0E-80	8.0E-80 AL16	8.0E-80 A	6.0E-80 U202	8.0E-80	6.0E-80	6.0E-80 A	6.0E-80.A		6.0E-80 AF24	6.0E-80 A	6.0E-80	6.0E-80	5.0E-80 /	5.0E-80 /			6.0E-80/									
	Expression Signal	_	4.07	1.08	0.82	3.4	3.4	1.57	0.65	1.83	2	20.86	1.48	175		ิณ	3.32	269			1.89		289					1.23	1.28	5.03	6.03	2.3	1.78
	ORF SEQ ID NO:		32886		32982		L							77-187	Ì					27097		L		3 28748				3 31170	35170	36140			7 32440
	SEO ID	į	19628	19671	10519	22/03	L		1		L	L	1_	İ		25972	L	L	L	1_	14036	14377	14638	15628	15969		17302	3 18196	L.	L	13445	18157	1 1
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	Top Hit Descriptor	AND Uses and Area MAGE 38080 6	1985e08.r1 Soares Infant brain 1NIB rights satisfactions Cone RE1487	RE14B/ subtraction rules colon lines in the colon lines of the Charles of the Cha	DKFZp434D1323_r1 434 (synon)m: mess) muno semens con con con con con con con con con con	nn80d01.s1 NCI CCAP COS rigins Squass Color (CTCSO) mRNA	Home sapiens Golg transport comprex protein (or nota) (or nota).	1986/12.11 Soares infant brain 1 NiB Homo septems curve club innoclusion of commercial control of the control o	PST37843 MAGE resequences, MAGH Homo septems cDNA	Homo seriens GGT gene, exam 8	TATALO A Searce tests NHT Hamo sapiens CDNA clone IMAGE:727727 5' similar to TR:G191315	GIGHS ANDROGEN-DEPENDENT EXPRESSED PROTEIN;	Homo exprens chromosome zi sagment lozarone	Homo sapiens of nombson 21 was transferred from IMAGE:1076495 3' similar to contains OFR.H OFR	Innotfization (CGAP_COS name seprens CD of contraction)	repositive element;	Train series PRKY extra 7	SOLUTION MIN MIC 20 Home septems and Adre IMAGE 3615433 6	11 man man alpha 1 troe    collegen (COL2A1) gene excens 1-54, complete cds	Transactions makes dehindrocenese 2. NAD (mitochondrial) (MDH2), nuclear gene encoding mitochondrial	protein, mRNA	Homo capiens mRNA for Ipophilin B	wq26005x1 NCI_CGAP_Kd11 Hamo sepiens dUNA Grate IIMAGE-2412200 3	WQ25CO5X1 NCI_CGAP_Kid11 Homo sapiens COINA CACHE IMMACLE-21 2250 C	Homo septens protein tyrosine prospinates of company (Prof. of Pripara) mRNA	Homo seplans protein tyrosine prospinalesse, receptar types A (PTPRA), mRNA	Homo septems procein growing process, rocking and an arrangement of the complete cds	Homo sapiens probable marrices birkurg Crypto localin DC SIGNR mRNA, complete cds	Homo saplens probable marinose bulkany o cycloses	Homo septens mitthe for Niewonskin / Orse/82) mRNA	Homo saptents same to ret my menetin (1 OCS4182), mPNA	Homo sapiens surmer to let in your logaring to belanced transposation) 1 (MN1), mRNA	Hamp septens mean grant (was the complete ods		
Single Court	Top Hit Database	3000	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	Ę		EST HUMAN	LO LICENSE	Ž	EST HUMAN	Z	NT		EST HUMAN	<u> </u>	Z	EST HUMAN	ž	7	¥	EST HUMAN	EST_HUMAN	Z	INT	INT	TN	NT	INT	SNT	8 NT	IN.	Z	
	Top Hit Acession No.			1			288		۱	4270.1	379.1	A393362.1	163303.2	F231920.1		1732656.1	F077188.1	13932.1	1.0E-80 BE386615.1	10347.1	5474540 NT	4 OF SO A 1224172 1	4 AE 80 AIO48724 1	VI948731.1	11421211 NT	11421211 NT	11421211 NT	1.0E-80 AF245219.1	1.0E-80 AF245219.1	D63479.2	1			AB011399.1	
	Most Similar (Top) Hit To	Value	2.0E-80 R35321.1	2.0E-80 AJ444821.1	2.0E-80 AL	2.0E-80 AA582952.1	205.80		2.0E-80 T7524	2.0E-80 A	2.0E-80 AJ007	2.0E-80 A	1.0E-80 AL183303.2	1.0E-80 AF23		· 1.0E-80 AI732656.1	1.0E-80 AF07	1.0E-80 Y13932.1	1.0E-80 B	1.0E-80 L103	ý	200	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1 0F-80 Al94	4 OF-80	1.0E-80								1.0E-80 AB0	
	Expression Simal		4.85	125	82	8	8	3	0.89	1.21	0.39	8.84	1.62	13		2.42		3.32	6.25	6.12				30.0										1.28	
	ORF SEQ		78087	200167	20102	2000		33077	33947	35994		27245		2775	1		30703			32603	L			34296	1	2003			l						-
	Eson SEQ ID	Ö	1,4007	1084	LCOC!	19593	/0202	20108	20479	1_		1	10147	1	2	15140	L	L	1		L	- 1	ł	- 1	- 1	- [	1	$\perp$	1	27077	_1_	$\perp$	1_	L	J
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Shighe Exoli Flores Expressed in the control of the	Top Hit It Acession Detablese No. Source	752.1 EST_HUMAN qh90g05xf Soares_NRL	8.0E-81/AZ51752.1 EST_HUMAN   ph90g05.x1 Sogres_NHI_GBC_S1 from seprens curv. Curv	EST_HUMAN		ESI HUMAN	Т	EST HUMAN		4601848 N I	0017.1 EST HUMAN	19022.1 EST_HUMAN	9022.1 EST_HUMAN	EST HUMAN	Z	M	18.1 NT	18.1 NT	9506634 NT India September 17 Public Brooks Control of the INA GE 2122702 3' stmiler to TR:085560 085560 085560	1435.1 EST_HUMAN	78812.1 EST_HUMAN	M	EST HUMAN	Т	12		TIM PASSAGE		Z	197.1 INI
	Top Hit.	Alzsı	A125175	BE3945	AA0110	Al82211	BE2568	BE2568			<b>8300</b>	BF6790	BF6790	BE 2680	AB0079	AB0079	M60316	<b>X</b> 80		AI5214	AW779	AB0377	AWOOR	AFRE	A CORR				XODE	102018
	Most Similar (Top) Hit BLAST E Value	8.0E-81	8.0E-81	8.0E-81	 7.0E-81 AA01	7.0E-81	6.0E-81	6.0E-81	6.0E-81	١									5.0E-81	4.0E-81 AI52										4.0E-811UZ0
	Expression	1.83	1.88	6.39	g.	3,89	3.73	3.73	228	228	1.24	3.38	3.38	.2.98	3.06	3.06	1.25	1.25	1.76	0.64	1.54	3.91	6		70.0				2.36	
	ORF SEQ ID NO:	37640	37641	38147	28543	33948	30632	30633	31569	31570	36076	32030	32031	28557	35228	35227	38467	36468	38568	576963						30408				35355
ŀ	SEQ ID	24008	24008	24483	15412	20480	17845	17845	18599	18599	22611	25495	25495	15423	21688	21688	22888	22888	24871	13902	15013	L	1	١	-1	17421				Ш
	Probe SEO ID NO:	40024	10923	11422	2280	7402	4508	4506	5397	5307	9437	12747	12747	228	28807	8607	8788	88	11883	ž	1867	300		3718	4278	4276	7427	7659	8482	8742

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Process   Day   Copt   Separat   Copt   Co	۲	ſ						
21821         35356         2.2         4.0E-81 AB018001.1         NT           226501         36067         3.35         4.0E-81 AB018001.1         NT           226501         37018         0.65         4.0E-81         11428088 NT           22409         37018         0.65         4.0E-81         11438088 NT           24520         38199         4.74         4.0E-81         11438088 NT           24520         38190         4.74         4.0E-81         11417862 NT           24520         38190         4.74         4.0E-81         11417874 NT           24520         38190         4.74         4.0E-81         11417874 NT           25039         31682         8.38         4.0E-81         11417874 NT           25522         32010         1.63         4.0E-81         11417874 NT           14452         27516         8.06         3.0E-81         4506280 NT           14452         27517         9.06         3.0E-81         4506280 NT           14452         27517         9.06         3.0E-81         4506280 NT           16073         28050         6.11         3.0E-81         4506280 NT           16073         28050         6.		Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor .
25601         36067         3.35         4.0E-81 AB018001.1         NT           22409         37016         0.65         4.0E-81 11438065 NT           22409         37019         0.65         4.0E-81 11438065 NT           22409         37019         0.65         4.0E-81 11438065 NT           22409         37019         0.65         4.0E-81 11438065 NT           22403         38189         4.74         4.0E-81 11447802 NT           22623         31682         8.38 4.0E-81 11447802 NT           22632         32009         1.63 4.0E-81 11447871 NT           25532         32009         1.63 4.0E-81 11447871 NT           25532         32009         1.63 4.0E-81 11447871 NT           25623         31678         4.2E-81 11447871 NT           14452         27519         8.06         3.0E-81 Y18000.1         NT           14452         27517         8.06         3.0E-81 Y18000.1         NT           16231         28050         6.11 3.0E-81 BE784836.1         EST HUMAN           16231         28061         6.11 3.0E-81 BE784836.1         EST HUMAN           16232         28071         0.68 2.0E-81 BE784836.1         EST HUMAN           17032         30031         0.8	7	21821	35356	22			Į,	Human cone photoreceptor cGMP-phosphodiesterase alpha' subunit gene, exons 2 and 3
23341         36946         1.4         4.0E-81         11425281         NT           23409         37016         0.65         4.0E-81         11439066         NT           23409         37019         0.66         4.0E-81         11438066         NT           24520         38180         4.74         4.0E-81         11417804         NT           24520         38180         4.74         4.0E-81         11417874         NT           26532         32009         1.63         4.0E-81         11417874         NT           25532         32009         1.63         4.0E-81         11417874         NT           14452         28701         1.22         3.0E-81         14506280         NT           16231         28201         6.11         3.0E-81         4506280         NT		22601	29098	3.35		AB0180	NT	Homo septens mRNA for Death-associated protein kinase 2, complete cds
25406         37016         0.65         4.0E-81         11439065         NT           25409         37019         0.65         4.0E-81         114439065         NT           24520         38180         4.74         4.0E-81         4750085         NT           24520         38190         4.74         4.0E-81         11417802         NT           25039         31682         8.38         4.0E-81         11417802         NT           25532         32010         1.63         4.0E-81         11417807         NT           25532         32010         1.63         4.0E-81         11417807         NT           25532         32010         1.63         4.0E-81         11417807         NT           14452         27510         9.06         3.0E-81         4718000.1         NT           14452         27510         9.06         3.0E-81         4506280         NT           16073         28026         6.11         3.0E-81         4506280         NT           16073         28026         6.11         3.0E-81         4406286.1         EST HUMAN           17022         30031         0.8         2.0E-81         BE74836.1         E	φ	23341	36946	1.4			LN	Homo sapiens ligase I, DNA, ATP-dependent (LIG1), mRNA
25409         37019         0.65         4.0E-81         11438065 NT           24520         38189         4.74         4.0E-81         4750085 NT           24520         38180         4.74         4.0E-81         4750085 NT           28039         31682         8.38         4.0E-81         1141782 NT           25532         32009         1.63         4.0E-81         11417871 NT           25532         32009         1.63         4.0E-81         11417871 NT           25532         32009         1.63         4.0E-81         11417871 NT           26523         31078         4.21         4.0E-81         11417874 NT           14452         27510         9.06         3.0E-81         14417874 NT           14452         27510         9.06         3.0E-81         1417874 NT           14572         28701         1.72         3.0E-81         1417874 NT           16073         280250         6.11         3.0E-81         4506280 NT           16073         280261         6.11         3.0E-81         AW011542.1         EST_HUMAN           17032         30031         0.8         2.0E-81         AW011542.1         EST_HUMAN           17	4	23409	37018	0.85			IN	Homo saplens acyl-Coenzyme A dehydrogenase family, member 8 (ACAD8), mRNA
24520         38189         4.74         4.0E-81         4736065 NT           24520         38180         4.74         4.0E-81         4736065 NT           25039         31682         8.38         4.0E-81         11417862 NT           25032         31683         8.38         4.0E-81         11417877 NT           25532         32009         1.63         4.0E-81         11417877 NT           25532         32009         1.63         4.0E-81         11417877 NT           25532         32009         1.63         4.0E-81         11417877 NT           14452         27517         9.06         3.0E-81         78000.1         NT           1452         27517         9.06         3.0E-81         78000.1         NT           16231         28250         6.11         3.0E-81         4506280         NT           16073         28060         2.2         2.0E-81         BE784636.1         EST HUMAN           16073         28060         2.2         2.0E-81         BE784636.1         EST HUMAN           16073         30031         0.8         2.0E-81         BE784636.1         EST HUMAN           17774         30754         2.8         1.0	4	23409	37019	0.65	4.0E-81		Ł.	Homo sapiens acyl-Coenzyme A dehydrogenase family, member 8 (ACAD8), mRNA
24520         38190         4.74         4.0E-81         4739085 NT           25039         31682         8.38         4.0E-81         11417862 NT           25039         31683         8.38         4.0E-81         11417877 NT           25532         32009         1.63         4.0E-81         11417877 NT           25532         32010         1.63         4.0E-81         11417877 NT           25532         32010         1.63         4.0E-81         11417877 NT           25532         23010         1.63         3.0E-81         7147877 NT           14452         27517         9.06         3.0E-81         718000.1         NT           1452         27517         9.06         3.0E-81         78000.1         NT           1653         28701         1.72         3.0E-81         78000.1         NT           1653         28701         1.72         3.0E-81         A506280         NT           1654         28702         6.11         3.0E-81         A506280         NT           1655         2874         6.13         A80411542.1         EST HUMAN           1774         30754         2.8         2.0E-81         BE784636.1	듄	24520	38189	4.74	4.0E-81		ĮN	Homo septens vesicle trafficking protein sec22b (SEC22B) mRNA
25039         31682         8.38         4.0E-81         11417802 NT           25039         31683         8.38         4.0E-81         11417802 NT           25532         32009         1.63         4.0E-81         11417871 NT           25532         32010         1.63         4.0E-81         11417871 NT           25632         31978         4.21         4.0E-81         11417874 NT           14452         27510         9.06         3.0E-81         11417874 NT           14452         27517         9.06         3.0E-81         114000.1         NT           15572         28701         1.72         3.0E-81         4506280         NT           16073         28026         6.11         3.0E-81         4506280         NT           16073         28029         2.22         2.0E-81         BE74638.1         EST HUMAN           17032         30031         0.89         2.0E-81         BE74638.1         EST HUMAN           17032         30031         5.68         2.0E-81         BE74638.1         EST HUMAN           17032         30031         5.68         2.0E-81         BE74638.1         EST HUMAN           17032         30031	Ĕ	24520	38190	4.74	4.0E-81		N	Homo saptems vesticle trafficking protein sec.22b (SEC.228) mRNA
25632         31683         8.38         4.0E-81         11417892         NT           25532         32009         1.63         4.0E-81         11417871         NT           25532         32010         1.63         4.0E-81         11417871         NT           25532         32010         1.63         4.0E-81         11417871         NT           25632         31978         4.21         4.0E-81         11417874         NT           14452         27510         9.06         3.0E-81         Y18000.1         NT           14452         27517         9.06         3.0E-81         A506280         NT           15572         28070         1.77         3.0E-81         A506280         NT           16073         28080         2.21         2.0E-81         BE74838.1         EST HUMAN           17032         30031         0.38         2.0E-81         AW611542.1         EST HUMAN           17032         30051         5.68         2.0E-81         AW611542.1         EST HUMAN           17032         30051         5.68         2.0E-81         AW611542.1         EST HUMAN           17032         30051         6.58         1.0E-81         A	8	25039	31682	8.38			N	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA
25532         32009         1.63         4.0E-81         11417871 NT           25532         32010         1.63         4.0E-81         11417871 NT           25532         32010         1.63         4.0E-81         11417871 NT           14452         27510         9.06         3.0E-81         Y18000.1         NT           1452         27517         9.06         3.0E-81         Y18000.1         NT           1557         28070         1.72         3.0E-81         A506280         NT           16231         28250         6.11         3.0E-81         A506280         NT           16073         28080         2.29         2.0E-81         BE74638.1         EST HUMAN           16073         28080         2.29         2.0E-81         BE74638.1         EST HUMAN           17032         30031         0.89         2.0E-81         BE74638.1         EST HUMAN           17032         30081         0.59         2.0E-81         AW611542.1         EST HUMAN           17032         30081         0.59         2.0E-81         AW611542.1         EST HUMAN           17032         30082         0.54         1.0E-81         AW611542.1         EST HUMAN	8	28039	31683	8.38	4.0E-81		N	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA
25532         32010         1.63         4.0E-81         11417874         NT           25623         31978         4.21         4.0E-81         11417974         NT           14452         27517         9.06         3.0E-81         Y18000.1         NT           14452         27517         9.06         3.0E-81         Y18000.1         NT           15572         28701         1.72         3.0E-81         AF077188.1         NT           16231         28250         6.11         3.0E-81         AF06280         NT           16073         28050         2.20         2.0E-81         BE784838.1         EST HUMAN           16073         28060         2.20         2.0E-81         BE784838.1         EST HUMAN           17022         30031         0.39         2.0E-81         AW611542.1         EST HUMAN           17032         30031         0.59         2.0E-81         AW611542.1         EST HUMAN           17032         30031         0.59         2.0E-81         AW6140370.1         EST HUMAN           17623         30031         0.6         1.0E-81         AW640370.1         EST HUMAN           18636         9.54         1.0E-81         BE	8	25532	32009	1.63	4.0E-81		NT	Homo sapiens beta-ureidopropionase (LOC51733), mRNA
25623         31978         4.21         4.0E-81         11417974 INT           14452         27516         9.06         3.0E-81         Y18000.1         INT           14452         27517         9.06         3.0E-81         Y18000.1         INT           1452         27517         9.06         3.0E-81         AF06280         INT           16231         28250         6.11         3.0E-81         AF06280         INT           16073         28080         2.22         2.0E-81         BE784636.1         EST HUMAN           16073         28081         2.22         2.0E-81         BE784636.1         EST HUMAN           16073         28081         0.69         2.0E-81         BE784636.1         EST HUMAN           21226         3.0754         0.69         2.0E-81         AW611542.1         EST HUMAN           17774         3.0754         0.69         2.0E-81         AW611542.1         EST HUMAN           17803         3.0885         0.54         1.0E-81         AW610370.1         EST HUMAN           18609         3.1331         0.6         1.0E-81         AW610370.1         EST HUMAN           18609         3.1649         3.8         1.0E-81<	98	25532	32010	1.63	4.0E-81		¥	Homo septiens beta-uneidoproplonese (LOCS1733), mRNA
14452         27516         9.06         3.0E-81         Y18000.1         NT           14452         27517         9.06         3.0E-81         Y18000.1         NT           15572         28701         1.72         3.0E-81         Y18000.1         NT           16231         28250         6.11         3.0E-81         4506280         NT           16073         28050         2.29         2.0E-81         BE784836.1         EST HUMAN           16073         28060         2.29         2.0E-81         BE784836.1         EST HUMAN           17022         30031         0.8         2.0E-81         BE784836.1         EST HUMAN           17032         30031         0.8         2.0E-81         AW611542.1         EST HUMAN           17774         30754         0.59         2.0E-81         AW611542.1         EST HUMAN           17622         30031         0.69         2.0E-81         AW611542.1         EST HUMAN           17622         30031         0.6         1.0E-81         AW640370.1         EST HUMAN           18638         9.54         1.0E-81         BE047998.1         NT           18659         31646         3.8         1.0E-81         <	ø	25823	31978	4.21	4.0E-81		ĮĮ.	Homo sapiens transcobalamin II; macrocytic anemia (TCN2), mRNA
14452         27517         9.06         3.0E-81         Y18000.1         NT           15572         28701         1.72         3.0E-81         AF077188.1         NT           16231         28250         6.11         3.0E-81         4506280         NT           16073         28050         2.29         2.0E-81         BE784836.1         EST HUMAN           16073         28060         2.29         2.0E-81         BE784836.1         EST HUMAN           17022         30031         0.38         2.0E-81         AW611542.1         EST HUMAN           17774         30754         0.59         2.0E-81         AW611542.1         EST HUMAN           17774         30754         0.59         2.0E-81         AW611542.1         EST HUMAN           17803         30031         0.69         2.0E-81         AW611542.1         EST HUMAN           17804         3.0885         9.54         1.0E-81         AR640370.1         EST HUMAN           18609         31331         0.6         1.0E-81         H07928.1         NT           18609         31649         3.8         1.0E-81         H1432966         NT           18609         31649         3.8         <	<u></u>	14452	27510	90.6	3.0E-81		Į.	Horno sepiens NF2 gene
15572         28701         1.72         3.0E-81         AF077188.1         NT           16231         28250         6.11         3.0E-81         4506280         NT           16231         28261         6.11         3.0E-81         4506280         NT           16073         28080         2.29         2.0E-81         BE784636.1         EST HUMAN           16073         28081         2.20         2.0E-81         BE784636.1         EST HUMAN           17032         30031         0.8         2.0E-81         BE784636.1         EST HUMAN           17774         30754         0.69         2.0E-81         ANG11542.1         EST HUMAN           17774         30754         0.69         2.0E-81         ANG11542.1         EST HUMAN           17803         30031         0.69         2.0E-81         ANG11542.1         EST HUMAN           17803         30885         0.54         1.0E-81         ANG10570.1         EST HUMAN           18609         31331         0.6         1.0E-81         11432396         NT           18609         31649         3.8         1.0E-81         11432396         NT           18813         31649         3.8	ø	14452	27517	90.6		00.1	¥	Homo sapiens NF2 gene
16231         28250         6.11         3.0E-81         4506280         NT           16231         28251         6.11         3.0E-81         4506280         NT           16073         28080         2.29         2.0E-81         BET84838.1         EST HUMAN           17022         30031         0.38         2.0E-81         BET84838.1         EST HUMAN           21226         34746         0.69         2.0E-81         AW611542.1         EST HUMAN           17774         30754         2.88         2.0E-81         AW611542.1         EST HUMAN           17774         30754         2.86         1.0E-81         AA040370.1         EST HUMAN           18609         3.0885         9.54         1.0E-81         BE047998.1         EST HUMAN           18609         31631         0.6         1.0E-81         BE047998.1         ITHUMAN           18609         31649         3.8         1.0E-81         11432968         NT           18609         31649         3.8         1.0E-81         11432968         NT           18813         31681         0.76         1.0E-81         AA255569.1         EST HUMAN           18868         3.6         1.0E-81	寸	15572	28701	1.72	3.0E-81		TN	Homo saplens cultin 4A (CUL4A) mRNA, complete cds
16231         28261         6.11         3.0E-81         4506280         NT           16073         28080         2.29         2.0E-81         BET84636.1         EST HUMAN           16073         28081         2.20         2.0E-81         BET84636.1         EST HUMAN           21228         34746         0.69         2.0E-81         8922838         NT           17774         30754         2.86         1.0E-81         AA040370.1         EST HUMAN           17803         30885         9.54         1.0E-81         BE047898.1         EST HUMAN           18609         31331         0.6         1.0E-81         BE047898.1         EST HUMAN           18609         31646         3.8         1.0E-81         NT           18609         31649         3.8         1.0E-81         NT           18609         31649         3.8         1.0E-81         NT           18813         31649         3.8         1.0E-81         NT           1885         31649         3.8         1.0E-81         NT           1885         31649         3.8         1.0E-81         NT           1886         31649         3.8         1.0E-81	155	16231	28250	6.11	3.0E-81	4506280	NT	Homo saplens pletotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1) (PTN) mRNA
16073         28080         2.29         2.0E-81         BET84636.1         EST HUMAN           17032         30031         0.3         2.0E-81         BET84636.1         EST HUMAN           21226         34746         0.69         2.0E-81         AN611542.1         EST HUMAN           17032         30031         5.88         2.0E-81         AN611542.1         EST HUMAN           17774         30754         2.86         1.0E-81         AA040370.1         EST HUMAN           17803         30885         9.54         1.0E-81         BE047896.1         EST HUMAN           18938         31331         0.6         1.0E-81         BE047896.1         EST HUMAN           18059         31649         3.8         1.0E-81         NT           18059         31649         3.8         1.0E-81         NT           18813         31649         3.8         1.0E-81         1143296         NT           18958         3264         3.8         1.0E-81         H143296         NT           18958         32264         3.18         1.0E-81         H143296         NT	12	16231	29261	6.11	3.0E-81	4506280	,	Homo saplens pleiotrophin (hepanin binding growth factor 8. neurille growth-promoting factor 1) (PTN) mRNA≕
16073         28081         2.20         2.0E-81         BET84636.1         EST HUMAN           21228         34746         0.69         2.0E-81         8922889         NT           1703Z         30031         5.88         2.0E-81         AM041542.1         EST HUMAN           17774         30754         2.86         1.0E-81         AA040370.1         EST HUMAN           17803         30885         9.54         1.0E-81         BE047898.1         EST HUMAN           18382         31331         0.6         1.0E-81         BE047898.1         EST HUMAN           18659         31649         3.8         1.0E-81         BF047898.1         NT           18659         31649         3.8         1.0E-81         1143296         NT           18813         31649         3.8         1.0E-81         1143296         NT           18813         31881         0.76         1.0E-81         1143296         NT           18813         31881         0.76         1.0E-81         NT         NT	4	16073	29080	229	2.0E-81	Γ	Γ	801474072F1 NIH MGC 68 Homo septens cDNA dane INAGE:3877121 5
17032         30031         0.8         2.0E-81         AW611542.1         EST HUMAN           21226         34746         0.69         2.0E-81         8923839         NT           17774         30754         2.86         1.0E-81         AA040370.1         EST HUMAN           17803         30885         9.54         1.0E-81         BE047998.1         EST HUMAN           18363         31331         0.6         1.0E-81         BE047898.1         NT           18059         31646         3.8         1.0E-81         NT         NT           18059         31649         3.8         1.0E-81         11432968         NT           18813         31881         0.76         1.0E-81         11432968         NT           18813         31881         0.76         1.0E-81         AA255569.1         EST HUMAN	4	16073	29091	220	2.0E-81		EST_HUMAN	601474072F1 NIH_MGC_68 Homo saplens cDNA clone IMAGE:3877121 5
21226         34746         0.69         2.0E-81         8923839 INT           17032         30031         5.88         2.0E-81         AW611642.1         EST HUMAN           17774         30754         2.86         1.0E-81         AA040370.1         EST HUMAN           17803         3.0885         9.54         1.0E-81         BE047998.1         EST HUMAN           18363         3.1331         0.6         1.0E-81         BE047998.1         INT           18059         31646         3.8         1.0E-81         I1432968         INT           18059         31649         3.8         1.0E-81         11432968         INT           18813         31881         0.76         1.0E-81         AA255569.1         EST HUMAN           18853         31881         0.76         1.0E-81         I1432968         INT           18853         32264         3.18         1.0E-81         IA325569.1         EST HUMAN	3	17032	30031	0.8	2.0E-81			hg85c01.x1 NCI_CGAP_Kid11 Homo sepiens cDNA clone IMAGE:2962384.3*
17032         30031         5.88         2.0E-81         AW611542.1         EST HUMAN           17774         30754         2.86         1.0E-81         AA040370.1         EST HUMAN           17803         3.0885         9.54         1.0E-81         BE047998.1         EST HUMAN           18363         31331         0.6         1.0E-81         BE047998.1         ITHUMAN           18069         31646         3.8         1.0E-81         IT432968         IT           18069         31649         3.8         1.0E-81         11432968         IT           18813         31881         0.76         1.0E-81         AA255569.1         EST HUMAN           18853         31881         0.76         1.0E-81         IT432968         IT	4	21226	34746	0.69	2.0E-81	8923839		Homo sapiens hypothetical protein (LOCSSSB6), mRNA
30754 2.86 1.0E-81 AA040370.1 EST HUMAN 30885 9.54 1.0E-81 BE047998.1 EST HUMAN 31331 0.6 1.0E-81 BE047998.1 IT HUMAN 38821 6.16 1.0E-81 U87928.1 INT 31649 3.8 1.0E-81 11432968 INT 31849 0.76 1.0E-81 AA255569.1 EST HUMAN 32264 3.18 1.0E-81 U52351.1 INT	g	17032	30031	5.68	2.0E-81			hg85c01.x1 NCI_CGAP_Kld11 Homo sapiens cDNA done IMAGE:2952384 3'
17803         30885         9.54         1.0E-81         BE047896.1         EST HUMAN           18383         31331         0.6         1.0E-81         8968944         NT           18039         31646         3.8         1.0E-61         U67828.1         NT           18039         31649         3.8         1.0E-81         11432968         NT           18813         31881         0.76         1.0E-81         AA255569.1         EST HUMAN           18953         32264         3.18         1.0E-81 U52351.1         NT	<u> </u>	17774	30754	2.86	1.0E-81			2445h09.r1 Soares pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE;485825 5' similar to PR:SS2437 SS2437 CDP-disa-Monorati sunthess - fruit fiv
18383         31331         0.6         1.0E-81         998844 NT           18479         38821         6.16         1.0E-61 U67928.1         NT           18639         31649         3.8         1.0E-81         11432988 NT           1863         31649         3.8         1.0E-81         11432988 NT           18813         31881         0.76         1.0E-81 AA255569.1         EST HUMAN           18953         32264         3.18         1.0E-81 U52351.1         NT	Ø	17903	30885	9.54	1.0E-81	Γ	HUMAN	245-004.y1 NCI_CGAP_Bm52 Homo saptens cDNA dane IMAGE:2291528 5
18639         31646         3.8         1.0E-61         U67928.1         NT           18639         31649         3.8         1.0E-81         11432968         NT           1863         31681         0.76         1.0E-81         AA255569.1         EST HUMAN           18953         32264         3.18         1.0E-81         U52351.1         NT	토	18363	31331	9.0				Homo septens chromosome 12 open reading frame 3 (C12ORF3), mRNA
16009         31646         3.8         1.0E-81         11432968 INT           18009         31649         3.8         1.0E-81         11432968 INT           18813         31681         0.76         1.0E-81 AA255569.1         EST HUMAN           18903         32264         3.18         1.0E-81 U52351.1         INT	12	18470	38821	6.18	1.0E-81			Human econitate hydratese (ACO2) gene, exon 3
189039         31649         3.8         1.0E-81         11432968 INT           18813         31881         0.76         1.0E-81 AA255569.1         EST HUMAN           18903         32264         3.18         1.0E-81 U52351.1         INT	Ω	18669	31648	3.8	1.0E-81	11432988		Homo sapiens polymerase (DNA directed), gamma (POLG), mRNA
18813         31881         0.76         1.0E-81 AA255569.1         EST HUMAN           18963         32264         3.18         1.0E-81 U52351.1         NT		18669	31649	3.8	1.0E-81	11432968		Homo sepiens polymerase (DNA directed), gamma (POLG), mRNA
18963 32284 3.18 1.0E-81 U52351.1 NT	-6	18813	31881	0.78	1.0E-81	5569.1	LHUMAN	285008.11 Sogres_NhIHMPu_S1 Homo sepiens cDNA clone IMAGE:682475 5' similar to SW.PRIZ_HUMAND P49843 DNA PRIMASE 58 KD SUBUNIT;
	Ļ	18963	32284	3.18	1.0E-81	51.1		Homo sapiens arm-repeat protein NPRAP/heurolungin (CTNND2) mRNA, partial cds

Page 391 of 550 Table 4 Single Exon Probes Expressed in Placenta

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	Top Hit Descriptor	Homo seniens erm-reneat protein NPRAP/neuro)ungin (CTNND2) mRNA, partial cds	FERRING STREET IN MGC 83 Home saplens CONA clone IMAGE:4274536 6	Lower control of the Cartie Confed. D7S522, genes CAV2 (excess 1, 2a, and 2b), CAV1 (excess 1 and	Company departs of the control of th	Home sapiens polymerase (DNA directed), gamma (POLG), mRNA	Home carians G13 cans for G13 protein	FIGURE SEPTIMENT OF HIS BRIDGE CON COMPANY OF THE PROPERTY OF	CALIBRACIA IN IN MACE AS Homo serviens aDNA clone IMAGE:3930228 5	NO 10400 THE THE PROPERTY WITH A PROPERTY OF THE PROPERTY WITH A PROPERTY OF THE PROPERTY OF T	BUTSASTEUFT INTO THE SECOND SECTION SECTION CONTRACT SECTION S	BOT 4006.51 Strangene new cell so 50/210 India options of the Strangene New York STREAM CONTRACTOR OF THE REPORT OF THE PROPERTY IN THE REPORT OF THE PROPERTY		REGION:	0015/733811 NIT MOS & Home earlies and A lone MAGE 3838280 5	0015/7338F1 NIT_MOV_9 I LILLS deposit Construction Construction Construction Andrews Construction Andrews Construction Con	CAXS-INNOUSE 140-00-141-412 INVOICE 100 CONTRACT STATES OF THE STATES OF	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Homo separas gogirnino process (50. ), in a contract of the co	MYCLC I CUCO-couces of a C 10000 Frame Septemb C DNA	MANUAL SOCIOSO A44 AR INVOKA Home services CONA	RCS-UMDGRO-280200-11-and Ombors Institute Company CDNA	RUS-UMUCHOZBUZUCU I Taco Omoco MAGF Homo septems cDNA	ESIS/2128 MAGE 17 Homo seriens cDNA clone IMAGE:4110459 5	Homo serviens charbolin (similar to apolipoprotein B mRNA editing protein) (DJ742C19.2), mRNA	Home saplens HSPC288 mRVA, perfiel cds	Homo sapiens HSPC288 mRNA, perdel cds	Limmon CRERA runn martial cds	nulial on gone prefit offe	Turner Caro agency for the case of the cas	Human Ckr b4 gene, page - use	Homo sapiens mixiva to nursh to select protein, year and selected motion) (GPXS), transcript variant 2,	Home sapients glutantions per processes (epitalognical and egon) comments.	Home capiens of rhamate receptor, longitodic, kainate 1 (GRIK1) mRNA	Home series two desical protein FU20461 (FU20461), mRNA	וומווס מלאמים ולושים של היים ולושים
	Top Hit Detabase Source	1	1444 E 1	ESI HOMAIN	5	5		N	EST_HUMAN	EST HUMAN	EST HUMAN			EST HOMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	Į.	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	ESI LICIMAN	1	Z	ž!	Z.	노	LN.	LN.	<u> </u>	I I	N C	ZINI
,	Top Hit Acession No.			T	. 100	41432068	2				1.0E-81 BE564367.1			1.0E-81 AA630784.1	E744545.1	1.0E-81 BE744545.1	1.0E-81 AW897550.1	1.0E-81 AW250322.1	8923698 NT	W844986.1	1.0E-81 AW844986.1	W798167.1	1.0E-81 AW 798167.1	1.0E-81 AW960658.1	31	11416130	8.0E-82 AF161406.1	8.0E-82 AF-161406.1	U08988.1	U08988.1	8.0E-82 U08988.1	8.0E-82 AB037748.1		6715601 N1		89Z343Z N
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	Expression Signal		3.18	1.81		BO:	45	0.61	68'0,	68.0	5.13			0.81	3.72	3.72	1.41	0.49	1.97	1.56	1.58			2.46					1.58	1.87	184			1.39		0.83
	ORF SEQ ID NO:		32265	32797		33439	34509	34535	36610	36611	36804			36948	36950		L		L	L	}_			31529				26251	28523			L		2 27927		1 30483
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	Probe SEQ ID		577.1	6274		222	286	7972	82/88	878	10174			10308	10310	10310	10728	10884	11182	11347	11347	11352	11352	11850	11812	12417	13	109	274	837	9	45.3	2	1690	4198	4358

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Single Exon Probes Expressed in Placenta	Hit Acession Database Top Hit Acession Source Source	7.0E-82  BF035327.1   EST_HUMAN   601458531F1 NIH_MGC_66 Homo saplens cDNA clone IMACE:3862086 5'	DE-82 AU144050.1 EST_HUMAN AU144050 HEMBA1 Homo septens aDNA clone HEMBA1000752.3"	81484.1	EST_HUMAN	4.0E-82 BF351891.1 (EST_HUNAN   OV2-HT0540-120900-362-708 HT0540 Homo sepiens cDNA	Z	DE-82 A 1837300.1 EST HUMAN O75278 PKD1;	4.0E-82/AF029701.2 NT Horno septiens presentiin-1 gens, exons 1 and 2	2168 NT	3.0E-82 BE005705.1   EST_HUMAN   RC2-BN0120-010400-013-f02 BN0120 Homo sepiens dDNA	6174702 NT	4502166 NT	25848.1 EST_HUMAN	DE-82 AW 875073.1   EST HUMAN   RC8-PT0001-190100-021-B02 PT0001 Homo sapiens cDNA	DE-82/AL163285.2 NT Homo sapiens chromosome 21 segment HS21C085	3.0E-82 BE813232.1   EST_HUMAN   RC1-BN0005-2807700-018-g04 BN0005 Homo septens cDNA	DE-82 4501922 NT Homo sapiens adeny/ade cyclase activating polypeptide 1 (ptiuitary) receptor type I (ADCYAP1R1) mRNA	DE-82 5453811 NT Homo sapiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2) mRNA	11425206 NT	1E-82 11432889 NT Homo sapiens contactin 6 (CNTN6), mRNA	11432889 NT	29000.1 NT	NT	NT	INT	2.0E-82 ALG46390.1   EST_HUMAN   DKFZp434M117_r1 434 (synonym: https://dx.gov.nc.sapiens.cDNA.clane DKFZp434M117 57	INT	U76833.1 NT	4504116 NT	2.0E-82/AB029019.1 INT Homo sapiens mRNA for KIAA1096 protein, partial cds
Single Exon			44050.1	81484.1						4502166 NT		6174702 NT		725848.1	875073.1	63285.2		4501922 NT	5453811 NT	11425206 NT	11432889 NT	11432889	29000.1				46390.1			4116	
	Most Similar (Top) Hit To BLAST E Value	7.0E-82 BF	7.0E-82 AU1	4.0E-82 AF0	4.0E-82 BF3	4.0E-82 BF	4.0E-82 M	4.0E-82 AK	4.0E-82 AF	3.0E-82	3.0E-82 BE	3.0E-82	3.0E-82	3.0E-82 AA7	3.0E-82 AW	3.0E-82 AL1	3.0E-82 BE	3.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82 AB0	3.0E-82 AB	2.0E-82 AB	2.0E-82 AB	2.0E-82 AL	2.0E-82 D87	20E-82 U7	20E-82	2.0E-82 AB
	Expression Signal	1.18	1.62	22.64	0.87	0.87	1.1	4.71	3.78	15.3	2.5	8.44	5.31	15.73	1.22	5.59	2.14	1.11	242	2.68	0.89	0.89	4.01	4.01	2.49	2.49	2.23	0.83	0.68	0.9	1.52
	ORF SEQ ID NO:		28049	27944	31874	31875	32374	38702		26540	26944	27043	27134		27617	27729	28194	28318		34952	35371	36372	38865	36666	26818	20819	27962	30104	30279	30473	30803
	SEQ (D NO:	14634		14857		18807	19066		25455	13506	13903	13080	14069	14252			15098	15202	10518		21832	21832	_	23067	13799	13789	l . l		17284	17491	17815
	Probe SEQ ID NO:	1481	2825	1705	5013	5613	5876	12016	12683	288	721	810	888	1088	1386	1494	1950	2062	3345	B346	8753	8763	10029	10029	610	610	1720	3949	4131	4348 848	4680

Page 393 of 550 Table 4 Single Exon Probes Expressed in Placenta

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Single Exoli Flores Lypresson III - Inc.	Top Hit Descriptor	Homo sepiens mRNA for KIAA1096 protein, partial cds	Homo septens wheart (WBSCR1) and winsord (Wiscurd) galles, whipped and	replication factor to autourin 2 (14 Oz.) gone, comparative, member 5 (TNFRSF5) mRNA	Tanto satiration manages factor receptor superfamily, member 5 (TNFRSF5) mPNA	Figure Sayaris Line 1977 maken perdel cds	Hamo separa minor or not a separate (FAMAA) mRNA, complete cds	Hans separas Printer   Pri	Humo seriens hypothetical protein FLJ20128 (FLJ20128), mRNA	Home series siit (Drosophila) homolog 3 (SLIT3), mRNA	Home capiens microrchida (mouse) homelog (MORC), mRNA	Home service mouse honder (MORC), mRNA	House and common as retrophing-K LTR US and gag gene	Truiting and year is retroiting K. LTR U5 and gag gane	Turner and an inches of minorarities of NPEP. many	Homo capiers reucylcysum maintripper management of the companies of NPEP), mRNA	Homo sapiens raucylcybu iy an a by by by by by by by by by by by by by	Homo septions CANCE will make the	Homo sepiens CAGHA mirawa, palua cus Homo sepiens CAGHA mirawa, palua cus Homo sepiens cDNA clone IMAGE:306203 3'	2031010.81 Source fetal fiver spicen 1NFLS S1 Homo septems cDNA done IMAGE:428568 6	Long serions melanome differentiation essociated protein-5 (MDA5), mRNA	601610859F1 NIH MGC_71 Homo septems cDNA clone IMAGE:3912207 5	RC4 BT0310-110300-015-f10 BT0310 Homo sepiens cDNA	Hamp sepiens mRNA for KIAA0638 protein, pertial cds	Homo sepiens mRNA for KIAA1417 protein, pertiel ods	Home segiens mRNA for KIAA0662 protein, pertial cds	ULH BW1-ace £03-0-UL.s1 NCI_CGAP_Sub7 Hamo capiens cDNA clane IMAGE:3084053 3	Home sapiens chromosome 21 segment HS210009	Homo segiens chromosome 21 segment HS21CO46	Homo saplens mannosidase, beta A, Iyoocoma (MANBA) gene, and ubiquitin-conjugating enzyme EAD 3	(UBE2D3) genes, complete cds Reporter NIH MGC 81 Homo septens cDNA clone IMAGE:4291561 5	ANTATARIET NIH MGC 16 Homo saplens cDNA clone IMAGE:3357734 5	RA1773246F1 NIH MGC 20 Homo septens cDNA clone MAGE:3614362 6	
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	Most Similar (Top) Hit BLAST E Vatue	2 NE. RO A		2.0E-82 AF045	2.0E-82	20E-82	2.0E-82 AB01	2.0E-82 AF23	2.0E-82 AI478	2.0E-82	2.0E-82	20E-82	2.0E-82	2.0E-82 Y080	2.0E-82 Y080	2.0E-82	2.0€-82	2.0E-82 U807	2.0E-82 U807		2.0E-82 AA011				1.0E-82 AB01									
	Expression Signal	18	1.02	2.86	1.56	1.56	2.89	4.63	1.19	0.8	1.81	95.0	95.0	1.16	1.16	1.74	1.74	28			3.72		3.19							1.49	1.06	4.99		3 297
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Most Similar Top Hit Accession Top Hit Signal Value Source		ESI HUMAN	1.2 7.0E-83 AW385529.1 EST_HUMMIN	1.64 7.0E-83 AA584655.1 EST HUMAN repetitive element.	7 OF 62 BE224843 1 FST HUMAN	0.89 7.0E.83 41428857 NT	N N N N N N N N N N N N N N N N N N N		3088.1 EST HUMAN	0.68 6.0E-83 AW816405.1 EST HUMAN	0.7 6.0E-83 AF231919.1 NT	6.0E-83 11430241 NT		4507868 NT	1.31 6.0E-83 AJ010770.1 INT	114ZZUZ4 N	3.51 6.0E-83 4505314 NT	0.71 6.0E-83 11430847 NI	0.71 6.0E-83 11430847 NT	231 6.0E-83 AA486105.1 EST_HUMAN THR.12 THR repetitive dement;	6.0E-83 AF240786.1 NT	5.0E-83 U17883.1 NT	5.0E-83 AF006305.1 NT	5.0E-83 AL133207.2 INT	0.73 5.0E-83 4885190 NT	0.61 5.0E-83 AL163210.2 INI	5.0E-83 4557013 In Indiverse semiliars cardialisms (CAT) mRNA	13.87 5.0E-63 455/013 N I Indian Property Property 13.87 5.0E-63 455/013 N I Indian Property I	4.0E-83 AF224669.1 NT	
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Page 395 of 550 Table 4 Single Exon Probes Expressed in Placenta

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	Top Hit Descriptor	np87c07.s1 NC_CGAP_Thy1 Homo sepiens cDNA clone IMAGE:1133292 smiler to contains Trink. Link. Annual contains Internative contains the contains of the contain	Transactions to the NHT Homo eaplens CDNA clone MAGE:1755682 3	Learning of Source tests NHT Homo sapiens CDNA clone IMAGE:1621592 3' similar to TR:092614	Oggel 4 MYELOBLAST KIAA0218.;	od84006.s1 Sogres, testis_NHT Homo sapiens cDNA clone IMAGE:1621692 3' sumiar to 115,0820 14	Q92814 MYELOBLAST KIAA0218.;	2248f12.51 Soares retail five spiest living mains experiences.	Home septents into the November of the Septents CDNA	Content of Operation 1 (SAL1), mRNA	Holino saprens ser (proception)	Home separate crimemoralistic properties cell entitioen CD34 precursor (CD34) mRNA, pertial cds	Trains Septemblish respect Containing protein ASB-2 (LOCS1676), mRNA	Horizo sapra is a Ingliar report containing recient ASB-2 (LOCS1676), mRNA	Home sapirals a hymin report control of the sample of the	Human callen mentrane protein CH1 (CH1), mRNA	TUGING SECTION TO THE HOUSE OF THE PROPERTY OF THE PARTY	90130/46Z11 NIn_moc	Homo sariens E-box codein FB3b (FBL3B) mRNA, partial cds	601822000F1 NIH MGC 75 Hamo septems cDNA clone IMAGE:4042318 5	Hamo serolens mRNA for brain ryanodine receptor, complete cds	Homo saciens mRNA for brain ryanotine receptor, complete cds	Rathus norwegicus densin-180 mRNA, complete cds	Homo saplens protein kinase CK2 catalytic subunit alpha gene, exon 1	Homo serviens protein kinasse CK2 catalytic subunit alpha gene, exon 1	Homo saciens phosphorylase kinase, gamma 1 (muscle) (PHKG1) mRNA	Home satiens thosphorylase kinase, gamma 1 (muscle) (PHKG1) mRNA	Human pages and adhesion molecule (N-CAM) secreted isoform mRNA, 3' end	Himan neural cell edhesion molecule (N-CAM) secreted Isoform mRNA, 3' and	A 1117RS9 HEARBAT Homo sapiens cDNA done HEARBA1001010 5	one IMAGE:3081852 5		DKFZp5471135_71 547 (synonym: htfp:// Hamo sapiens cDNA clane DKFZp547J135 6	
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	Top Hit Aoesssion No.		25.1	<u> </u>	1 200		3492.1	31.1	3098.1	BE828694.1	8		2.0E-83 AF202870.1	7706398 NT	7706398 NT	106679.1	11428081 NI	2.0E-83 BE885401.1	2.0E-83 AF128533.1	2.0E-83 AF129533.1	2.0E-88 BF105097.1	2.0E-83 AB00/10.20.1	20E-83 AB001020.1	1,70/00	4F0119Z0.1	AF011920.1	045000	IN LESSECTO	M22094.1	2.0E-83 M22094.1	AU117559.1	81	11430440 N i	20E-83/AL134434.1
	Most Similar (Top) Hit BLAST E Value		3.0E-83 AA632	3.0E-83 AI217	2 NE 82 A A GO	Z.UE-02	2.0E-83 AA98	2.0E-83 N669	2.0E-83 AB03	2.0E-83 B	20E-83	2.0E-83 A	2.0E-83 A	2.0E-83	2.0E-83	2.0E-83 U06679.1	2.0E-83	2.0E-83						١	١	1						١		╛
-	Expression Signal		1.6	0.82	107	1.87	1.37		1.57	1.33	2.16	<b>560</b>		3.19	3.19	0.91	19.0				0.58					5 2.52								20.
	ORF SEQ ID NO:	•				28089	28090		28512				30576			L	32468		33446									3 38413	5 36866	5 36867				37870
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ŀ	Probe SEQ ID NO:	7	2837	6708	Γ	\$	10.43	3 5	2251	2913	3342	3874	4456	4776	4775	5385	2867	888	888	7593	7987	8028	8028	8175	8	8509	88	9793	10240	10240	10322	10392	11088	11168

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	Top Hit Descriptor	OKE77547,1135 rt 547 (synonym; hfbrt) Homo sapiens cDNA clone DKF2p547,1135 5	House and for AF-8 complete cds	Train separate gard to the property of the party of the p	hydratase (trifunctional protein), bein subunit (HADHB) mRNA	Homo sapiens hydrocyacy-Coanzyme A dehydrogenase3-keroe5yr-coanzyme A universitien by the sapiens hydrocyacy-Coanzyme A dehydrogenase3-keroe5yr-coanzyme A universitien by the sapiens hydrocyacy-Coanzyme A dehydrogenase3-keroe5yr-coanzyme A universitien by the sapiens hydrocyacy-Coanzyme A dehydrogenase3-keroe5yr-coanzyme A universitien by the sapiens hydrocyacy-Coanzyme A dehydrogenase3-keroe5yr-coanzyme A universitien by the sapiens hydrocyacy-coanzyme A universitien by the sapiens hydrocyacy-coanzyme A dehydrocyacy-coanzyme A universitien by the sapiens hydrocyacy-coanzyme A dehydrocyacy-coanzyme A dehydrocyacy-coanzyme A universitien by the sapiens hydrocyacy-coanzyme A dehydrocyacy-coanzyme  hydretasse (trifunctional protein), beta subunit (HADHB) mrtvA	Homo capients ramy-early-controlled register, very long some controlled E3908754 5	6050/3/671 NIT MACE IT IT WITH A CHARLES CONTROL THE WAY	Figure Sapients Con Location Control of the Control	Katulas no weglous briant epochis or many and defensements and a second		Homo expiens amyloid beta (A4) precursor protein (protesse nedn-II, Abrheimer disease) (APP), mRNA	0/89/08.x1 Soares testis NHT Homo capiens cDNA done iMAGE:1043451 5 Serina to government.	PROTEIN (NOWAY), September CONA clone MAGE:3968853 6	DES-EN0419-200500-011-05 FN0119 Homo septems CDNA	Processing Systems (1975) Filter 19 Home septems (2014)	Section of Statement Schitch brain S11 Homo saplens cDNA done IMAGE:971020 3'	DACT AND AND A 124 (support Higgs) Homo sablens cDNA clone DKFZp434H0322 5	UN-CPASATIONS I TO THE STATE OF	VITAMIN K-DEPENDENT PROTEIN S PRECURSOR (HUMAN);  VITAMIN K-DEPENDENT PROTEIN S PRECURSOR (HUMAN);	Homo sapiens acety LDL receptor, on LC-scarca go, coupon of the sapiens acety (SREC) mRNA	Homo sapiens ecetyl LDL receptor, SREC=scavenger receptor expressed by encluring constant.	IMRNA	FWULT 100 19-1 BOX CONTROL OF THE TOTAL TOTAL COMPLETE COS	Homo separate promitive springs from separa cDNA	PM4-FIQURAL TOWN Capters CDNA 5' end	ESU SOCRET (SEE 11 INITIAL AND AND AND AND AND AND AND AND AND AND	Train Saprata Caracteristics	2439607.11 Strategene HNT neuron (#937233) Homo sapiens cDNA clone IMAGE:632100 5' similar to TR:0483915 G483915 RETROTRANSPOSABLE L1 ELEMENT LRE2 FROM CHROMOSOME 10.;		
Suight Live I have	Top Hit Detabase Source	MAN IN TOU	-1	Į,	M		NT	LN NT	EST HOMAN	LN	Į.	LN	Ę		EST HUMAN	TOT HOME	LOWER TOWN	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	Ę		M	EST HUMAN	¥	EST HUMAN	EST HUMAN	Ξ	EST_HUMAN	
Series	Top Hit Acession No.		T	2.0E-83 AB011399.1	4604328 NT		4504326 NT	4503852 NT	BE883690.1	7682349 NT	1.0E-83 AF063768.1	25822.1	4502166 NT	i i	1027614.1	3E901209.1	3E838884.1	3E838864.1	AA778574.1	6.0E-84 AL042863.2	8.0E-84 AA897339.1	11428718 NT		11428718 NT	BE810371.1	6.0E-84 AF038391.1	BE770199.1	5.0E-84 AA382811.1	5.0E-84 AF109718.1	5.0E-84 AA167678.1	
	Most Similar (Top) Hit BLAST E		2.0E-83 AL134	20E-83 A	1.05-83		1.0E-83		1.0E-83	1.0E-83	1.0E-83 /	1.0E-83 Z25822.1	1.0E-83		1.0E-83 AI027	7.0E-84 BE90	6.0E-84 BE83	6.0E-84 BE83	6.0E-84 AA77	8.0E-84	8.0E-84	6.0E-84		6.0E-84							١
	Expression Signal		1.64	3.26	2.26		228	1.15	121	0.72	7.78	222	274		1.59	3.62	2.96		17.98	2.18	1.91			0.99	3.14	1.05		1.32	1.91	290	
	ORF SEQ ID NO:		37871		27877	2/8/3	27674				_	30484	<u> </u>	L	33397		27544				31905			32274						30756	١
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	Probe SEQ ID NO:		11168	12859		1444	1444	2078	2722	3251	3972	4359	3	8006	6836	3897	1323	1323	2471	5354	3693		3	5777	7842	1888	8264	75	8078		OCO

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Hit sesse Top Hit Descriptor	Homo saplens regulatory factor X, 3 (influences HLA class II expression) (RFX3), mRNA	Homo sepiens mRNA for KIAA1131 protein, partial ods	Homo sapiens mRNA for KIAA1131 protein, partial cds	Homo saplens mRNA for KIAA1314 protein, pertial cds	wa78c04.x1 Soares NFL_T_GBC_S1 Home expiens cDNA clone IMAGE;2302096.3' similar to AN INDIC HUMAN 043847 NARDILYSIN PRECURSOR:	Т	Homo sapiens myosin light chain kinase iscrorm 2 (MLCK) mRNA, complete cots	Homo sapiens multidrug resistance protein (MRP), excm 13	Homo sapiens protein tyrosine phosphatase, receptor type, G (PTPRG), mRNA	Homo septens protein tyrosine phosphatasa, receptor type, G (PTPRG), mRNA	Homo sepiens histone deacetylese 3 (HDAC3) gene, complete ods	Homo septens KIAA0783 gene product (KIAA0783), mRNA	Homo sapiens discs, kage (Drosophila) homotog 2 (chapsyn-110) (DLG2) mRNA	Homo sepiens discs, large (Drosophila) homolog 2 (chapsyn-110) (DLG2) mRNA	Homo sapiens mRNA for KIAA1130 protein, partial cds	Homo sapiens Bach1 protein homolog mRNA, pertial cds	Homo sapiens chondroitin sulfate proteoglycan 2 (versican) (CSPG2) mRNA	Homo sapiens periocartriciar material 1 (PCM1) mRNA	Novel human mRNA containing Zinc finger CZH2 type domains	Hama sepiens X-linked juvenile retinoschists precursor protein (XLRS1) mRNA, complete ode	wu20405x1 Soarse_Dieckgrade, odon NHCD Home sapiens cDNA clone IMAGE:2520585 3' similar to abt.05063 60S RIBOSOMAL PROTEIN L16A (HUMAN):	Г	AN CM1-BT0795-190600-Z72-b08 BT0795 Homp saplens cDNA	Homo septens myelin transcription factor 1-like (MYT1-1) mRNA, complete cds		Г	Г		Г	П		JMAN AU120280 HEMBB1 Homo saplens cDNA clone HEMBB1000339 5
	sapiens regulatory factor X, 3	sapiens mRNA for KIAA1131	sepiens mRNA for KIAA1131	saplens mRNA for KIAA1314	04 x1 Sogres_NFL_T_GBC_ RDC_HUMAN 043847 NAPA	sapiens polymerase (DNA-dir	Bapiens myosin light chain kir	sapiens multidrug resistance	sapiens protein tyrosine phos	saplens protein tyrosine phos	sapiens histone deacetylase	seplens KIAA0783 gene prod	sapiens discs, large (Drosoph	sapiens discs, large (Drosopt	sepiens mRNA for KIAA1130	sapiens Bach1 protein homok	sapiens chandraitin sulfate pr	sapiens pericentriclar material	umen mRNA containing Zinc	sepiens X-linked juvenile retin	05.x1 Scarec_Dieckgraafe_cx 083 60S RIBOSOMAL PROT	T0785-180600-272-b08 BT0	T0795-190600-272-b08 BT0	apiens myelin transcription fo	ms DNA for endogenous retra	14-act = 02-0-U1.s1 NCI_CG/	4-aol-a-02-0-UI.s1 NCI_CC	1.s1 Soares fetal liver spleen	39x1 NCI_CGAP_Lu6 Hamo	apiens chromosome 21 segn	apiens chromosome 21 segn	280 HEMBB1 Homo septems
	Homo	Homo	Homo	Homo	Wa76ct SW:NS	Hamo	Homo	Hamo	Hamo	Homo!	Homo	Homo	Homo	Homos	Homo	Homos	Homo	Homo	Novel h	Hamo	WL2046	SM-B	CM1-B	Homo	H.sapie	NHB NHB	四十万	yr58e11	qm87cc	Homos	Homos	AU1202
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Top Hit Database Source	NT	N	NT	Þ	EST_HUN	¥	    5	. IN	¥	7	7	Ę	Ę	Þ	5	۲	٦	41	¥Ŧ.	۲	EST HUM	ST HUM	ST HUN	F	F	ST_HUM	ST HUMA	ST HUM	ST HU	  -	5	ST_H
Top Hit Acession Datab No. Sour	11428740 NT	AB032967.1 NT	AB032957.1 NT	AB037735.1 NT	AI686321.1 EST HUMAN	4505928	AF069801.2 NT	AF022835.1 NT .	11386168 NT	11386168 NT	AF059850.1 NT	11421326 NT	4557526 NT	4557526 NT	AB032956.1 NT	AF026200.1 INT		6453865	AL096880.1 NT	AF014459.1 NT	AD83801.1 EST HUMAN	BE695397.1 EST_HUMAN	BE695397.1 EST_HUMAN	AF036943.1 NT	11.1	11575.1	3F611675.1 EST_HUMAN	H63370.1 EST HUMAN	41298674.1 EST_HUMAN			4U120280.1 EST_HUMAN
Top Hit Acession No.		32967.1	32957.1	37735.1	5321.1	4505928	4.0E-84 AF069801.2	4.0E-84 AF022835.1			AF059850.1	4.0E-84 11421326 NT			32956.1	AF026200.1				1459.1	801.1	95397.1	95397.1	36943.1	21.1	11575.1			8674.1		3204.2	П
Most Similar (Top) Hit Top Hit Acession BLAST E No.	5.0E-84	6.0E-84 AB032967.1	6.0E-84 AB032957.1	4.0E-84 AB037735.1	5321.1	4505928	4.0E-84 AF069801.2				AF059850.1			4.0E-84	4.0E-84 AB032956.1	3.0E-84 AF026200.1	3.0E-84		3.0E-84 AL096880.1	1459.1	801.1	95397.1	2.0E-84 BE695397.1	2.0E-84 AF036943.1	11.1	2.0E-84 BF511575.1	11575.1	2.0E-84 H63370.1	2.0E-84 AI298674.1	2.0E-84 AL163204.2	2.0E-84 AL 163204.2	П
Most Similar Expression (Top) Hit Top Hit Acession Signal BLAST E No.	38516 2.85 5.0E-84	38640 1.99 6.0E-84 AB032967.1	38641 1.99 5.0E-84 AB032957.1	4.0E-84 AB037735.1	4.0E-84 AI685321.1	4.0E-84 4505928	4.0E-84 AF069801.2	1.62 4.0E-84 AF022835.1	1.8 4.05-84	1.8 4.0E-84	2.14 4.0E-84 AF059850.1	13.68 4.0E-84	1.12 4.0E-84	1.12 4.0E-84	4.76 4.0E-84 AB032956.1	2.16 3.0E-84 AF026200.1	1.53 3.0E-84	2.39 3.0E-84	2.36 3.0E-84 AL096890.1	3.0E-84 AF014469.1	3.0E-84 A1983801.1	6.46 2.0E-84 BE695397.1	6.46 2.0E-84 BE695397.1	2.0E-84 AF036943.1	1.22 2.0E-84 X89211.1	0.93 2.0E-84 BF511575.1	2.0E-84 BF611575.1	2.0E-84 H63370.1	2.0E-84 AI298674.1	0.58 2.0E-84 AL163204.2	0.58 2.0E-84 AL163204.2	2.0E-84 AU120280.1
ORF SEQ Expression (Top) Hit Top Hit Acession ID NO: Signal BLASTE No.	38516 2.85 5.0E-84	1.99 6.0E-84 AB032967.1	38641 1.99 5.0E-84 AB032957.1	1.34 4.0E-84[AB037735.1	4.47 4.0E-84 AI685321.1	0.66 4.0E-84 4505928	31168 1.52 4.0E-84 AF069601.2	31448 1.62 4.0E-84 AF022835.1	32162 1.8 4.0E-84	32163 1.8 4.0E-84	32928 2.14 4.0E-84 AF059650.1	13.68 4.0E-84	35735 1.12 4.0E-84	35736 1.12 4.0E-84	37859 4.76 4.0E-84 AB032956.1	26572 2.16 3.0E-84 AF026200.1	27395 1.53 3.0E-84	2.39 3.0E-84	28319 2.36 3.0E-84 AL096880.1	5.53 3.0E-84 AF014459.1	6.78 3.0E-84/Al983801.1	28435 6.46 2.0E-84 BE695397.1	28436 6.46 2.0E-84 BE695397.1	29209 9.21 2.0E-84 AF036943.1	29226 1.22 2.0E-84 X89211.1	31914 0.93 2.0E-84 BF511575.1	31915 0.83 2.0E-84 BF611575.1	33326 0.92 2.0E-84 H63370.1	2.0E-84 AI298674.1	35200 0.58 2.0E-84 AL163204.2	35201 0.58 2.0E-84 AL 163204.2	1.24 2.0E-84 AU120280.1

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Separation   Computer   Compute		Top Hit Describtor  Top Hit Describtor  Top Hit Describtor	ym49e11.r1 Soares Infant Drain Third Trains September 2008 September 2009 Septemb	TR.Q9UGS3 Q9UGS3 DJ756G23.1; nae30a02.x1 Lupski_sympafhetic_frunk Homo sepiens cDNA clone IMAGE.4090251 3' similar to nae30a02.x1 Lupski_sympafhetic_frunk Homo sepiens cDNA clone IMAGE.4090251 3' similar to	TR-09UGS3 Q9UGS3 DJ/7609-23-1 ; Homo sepiens intersectin short Isoform (ITSN) mRNA, complete cds Homo sepiens intersectin short Isoform (ITSN) mRNA, complete cds	Hono septens tyrosine ornariowystance in the contract of the c	(1 W HAZ) Intervent Homponent 5 (C5), mRNA Home suplens complement component 5 (C5), mRNA clone IMAGE:1629885 3'	an85011.s1 Strangere solice premise and Adme IMAGE:3628257 6	601308006F1 NIH MISC 44 HUND CAPACITY MISNA	markens at NCI CGAP SS1 Hamo sapiens con A dare IMAGE: 1239100 3	Homb saplens 859 kb contig between AML1 and CBR1 on chromosom 2 1442, southern 1445	DKFZ0434N0323_r1 434 (synonym: https://dx.com/chine.com/a chine_DKFZ0434N0323 5	DKFZp434N0323_r1 424 (synonym: hess3) Hamo sapiens con contractions 21 q22; segment 1/3	Homo sapiens 959 to contig between Avin and Homo sapiens 959 to contig between Avin and Avin	Homo sepiens speckle-type POZ protein (SPOF), manusa protein homolog [human, uterus, mRNA, 1340	uterine water channel—28 rota eryunocyus III og an III o	nt) Novel human gane mapping to chomosome 13 Novel human gane mapping to chomosome 13	Novel human gene mapping to drumboulie 13	Novel human gene mapping to crutilization to Novel human gene mapping to crutilization along (POLA), mRNA	Homo septens polymerase (Jrvn a confined project 1) (NAB1), mRNA	Homo saplens NGFLA binding protein 1) (NAB1), mRNA	Homo sepiens NGFLA Britaing Protein 1 (Cross of Party Party) (PP16) mRNA	Homo sapiens ruches university (CABPS) gene, excri 6 and partiel cds	Homo sapiens Cazt-orium y process 13 (laopopidase T-3) (USP13) mRNA	Homo septems uprefully specific professe 13 (specificase T-3) (USP13) mRNA	Homo septens uniquium specimic provides 1 Amhan recourt (PZRXL1), mirana	Homo sepiens purinergic receptor r ZX-me 1, orbital Anno Sepiens purinergic receptor r ZX-me 1, orbital Anno Sepiens purinergic receptor r ZX-me 1, orbital Anno Sepiens purinergic receptor r ZX-me 1, orbital r ZX-me 1, orb	Homo sapiens econities et intitudi manura y	Hono sapiens chromosomis at segment	
Exam         ORF SEQ         Expression         Macst Smuller         Top HR Ace No.           NO.         Signal         (Top) Hit Top HR Ace No.         Top HR Ace No.         No.           NO.         22972         36564         0.04         2.0E-84 H72841.1           22972         36588         1.81         2.0E-84 BF448000.           25316         32093         1.81         1.0E-84 AF14488           13520         28571         1.0E-84 AF14488         1.1           1 17676         28678         1.0E-84 AF14488         1.1           1 17676         30839         3.03         1.0E-84 AA72384         1.1           1 17676         30840         3.03         1.0E-84 AA72384         1.0E-84 AA72384           2 1 17676         30840         3.03         1.0E-84 AA14078         1.0E-84 AA14078           2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				EST_HUMAN	EST HUMAN		토토	\ <b>}</b> -`	EST HUMAN	- 11		EST HIMAN	EST HUMAN	17	TNC		둫둧	IN.	LN.	IN 14	46 NT	46 NT	PN PA	F	48 NT	TNIST	312 NT	185 NT	NT.	1
Exm         ORF SEQ         Expression         Most shm           NO:         10 NO:         Signel         Value           NO:         10 NO:         Signel         Value           NO:         22972         36564         0.064         2.06           22972         36568         0.64         2.06           22972         36569         1.81         2.0           13536         22083         1.81         2.0           14477         27542         2.78         1.1           14477         27542         2.78         1.1           1 14477         27542         2.78         1.1           1 14477         27542         2.78         1.1           1 14477         30659         3.03         1.1           1 17676         30659         3.03         1.1           1 17676         30659         3.03         1.42           1 17676         30659         3.03         1.42           1 17676         30659         3.03         1.42           2 1 17676         30659         3.03         1.42           2 1 17676         30659         3.03         1.42           2 2 166 <td>Silvan</td> <td>p Hit Acession No.</td> <td></td> <td>-448000.1</td> <td>F448000.1 F114488.1</td> <td></td> <td>4507952</td> <td></td> <td></td> <td>1142719</td> <td>VA720851.1</td> <td>4,229041.1</td> <td>ALO43314.2</td> <td>ALONS 142</td> <td>AJZ25041.1</td> <td></td> <td>S73482.1</td> <td>AL 040704.1</td> <td>AI 049784.1</td> <td>GEREA</td> <td></td> <td></td> <td></td> <td>AF22451</td> <td>45078</td> <td></td> <td></td> <td></td> <td>AL1632</td> <td></td>	Silvan	p Hit Acession No.		-448000.1	F448000.1 F114488.1		4507952			1142719	VA720851.1	4,229041.1	ALO43314.2	ALONS 142	AJZ25041.1		S73482.1	AL 040704.1	AI 049784.1	GEREA				AF22451	45078				AL1632	
Exm         ORF SEQ         Expression           NO:         10 NO:         Signal           NO:         10 NO:         Signal           NO:         22972         36564         0.644           22972         36568         1.81           22972         36568         1.81           13536         22688         1.81           14477         27542         2.78           1 14477         27742         2.78           1 15252         28672         1.18           1 16252         28689         3.6           1 17676         30669         3.6           1 17676         30689         3.6           1 17676         30689         3.6           2 17005         33576         3.6           2 17006         33576         1.4           2 20156         33577         1.4           2 2769         34185         10.           377         20766         34287         2.           377         20766         34287         2.           372         22800         2.           418         31528         2.           372         22800			2.0E-84 H	2.0E-84 B	2.0E-84B		1.0E-84	7 70 70	1.0E-84	1.0E-84										١		1			1	1				
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Single Exoli Flobes Expressed in Flade ita	Top Hit Descriptor	Homo sapiens nuclear protein Skip mRNA, complete cds	Homo sapiems nuclear protein Skip mRNA, complete cds	Human plasminogen gene, exen 7	Human plasminogen gene, excn 7	Homo sapiens DKFZp434P211 protein (DKFZP434P211), mRNA	Homo sapiens chromosome 21 segment HS21C009	Homo sapiens chromosome 21 segment HS21C080	Homo sepiens heat shock transcription factor 2 binding protein (HSFZBP), mRNA	Homo sapiens chromosome 21 segment HS21C068	Homo sapiens DKFZp434P211 protein (DKFZP434P211), mRNA	Homo sapiens ribosomal protein L27 mRNA, complete cots	Homo sepiens MSTP030 mRNA, complete eds	Homo sepiens DEAD/H (Asp-Glu-Ale-Asp/His) box polypeptide 10 (RNA helicase) (DDX10), mRNA	Homo sapiens DEAD/H (Asp-Gtu-Ale-Asp/His) box polypeptide 10 (RNA heitcase) (DDX10), mRNA	202201.11 Scares, bests, NHT Homo sapiens cDNA done IMAGE:726889 5' similar to TR:G1335769 G1335769 GAG-POL POLYPROTEIN.	Homo seplens chromosome 21 segment HS21 C084	Homo sepiens T-type calclum channel alphaf subunit Alphaf He Isoform (CACNA11) mRNA, complete cds	601458846F1 NIH_MGC_68 Hamo sapiens cDNA clane IMAGE:3862402 5	601458846F1 NIH_MGC_68 Homo sepiens cDNA clone IMAGE:3862402 67	Homo septens marmosidase, beta A, Iysosomal (MANBA) gene, and ubiquifin-conjugating enzyme E2D 3 (UBE2D3) genes, complete cds	Homo sepiens T-type calcium channel alphaf subunit Alphat He Isoform (CACNA1I) mRNA, complete cds	802084730F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:4249087 5	502084730F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:4249087 5	601605022F2 NIH_MGC_71 Hamo sepiene cDNA done IMAGE:3806940 61	RC1-BT0623-120200-011-07 BT0623 Hamo sepiens cDNA	Homo saplens protein phosphatase 2A BR gamma subunit gene, exon 6	ye53g09.rf Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:121504 5	Homo sepiens F-box anly protein 24 (FBXO24), mRNA
	Top Hit Database Source	¥	Į.	N	Į,	Į.	N N	K	¥	NT	¥	Z	F	     	Ę	EST HUMAN	¥	Į.	EST HUMAN	EST_HUMAN	NT	ĮN.	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	C1 EST_HUMAN	5
oli viji	Í ap Hit Acessian Na	U51432.1	132.1	282.1	282.1	7657020 NT	9.0E-85 AL163209.2	3280.2	5901979 NT	AL163268.2	7657020 NT	94.1	3210.1	11438573 NT	11438573 NT	6.0E-85 AA403053.1			5874.1	Γ	5.0E-85 AF224869.1	1188.1	7910.1	4.0E-85 BF677910.1		9263.1	3.0E-85 AF096157.1	97495.1	11024695
	Most Similar (Top) Hit BLAST E Value	9.0E-85	9.0E-85	9.0E-85 M33	9.0E-85 M33	9.0E-85	9.0E-85	9.0E-85 AL16	9.0E-85	9.0E-85	9.0E-85	7.0E-85 L050	7.0E-85 AF1	6.0E-85	8.0E-85	6.0E-85/	5.0E-85/	5.0E-85 AF21	5.0E-85	5.0E-85 BF03	5.0E-85	5.0E-85 AF21	4.0E-85 BF67	4.0E-85	4.0E-85 BE88	4.0E-85 BE07	3.0E-85	3.0E-85 T97495.1	3.0E-85
	Expression Signal	2.89	2.80	1.12	1.12	3.59	0.8	0.92	66.0	1.16	1.78	4.64	5.61	2.58	2.56	2	4.09	0.71	1.59	1.50	2.31	1.72	1.39	1.39	3.43	1.8	0.91	4.8	1.03
	ORF SEQ ID NO:		27320			27949		30490	31105		27949	27378		38391	38392	38750	28668		31804	31805	38101		32798	32790	34688		27551	28062	31125
	Ean SEQ ID NO:	14263	14263	14782	14762	14860	17029	17509	18130	18160	14860	14323	24829	24699	24699	25041	15540	17690	18764	18764	24442	17690	19450	19450	21074	23831	14484	14970	18148
	Probe SEQ ID NO:	4008	1008	1609	1609	1709	3870	4366	5001	5032	13046	1159	11943	11702	11702	12060	2410	4552	2992	2999	11381	13127	8/239	6276	8021	10798	1327	\$	5019

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Single Exon Probes Expressed in Placeria	Top Hit Descriptor	Homo sapiens F-box only protein 24 (FBXO24), mRNA	Homo saplens offactory receptor, family 12, subfamily D, member 2 (OR12D2), mRNA	Homo sapiens lacrimal proline rich protein (LPRP), mRNA	Hamo sepiens met proto-ancagene (hepetacyte growfin factor receptor) (MET), mRNA	Homo sapiens KIAA0783 gene product (KIAA0793), mRNA	Homo saplens KIAA0793 gene product (KIAA0793), mRNA	Homo saplens mRNA for dynein heavy chain (DNAH9 gene)	Homo saplens GTPase regulator associated with the focal adhesion kinase pp128(FAK); KIAA0821 protein (KIAA0621), mRNA	Homo sepiens DENN mRNA, complete cds	Homo saplens CGI-81 protein (LOC51108), mRNA	Homo saplens phosphotipase C, epsilon (PLCE), mRNA	Homo sepiens small nuclear ribornucleoprotein polypeptide B* (SNRPB2), mRNA	Homo sepiens small nuclear riborrucleoprotein polypeptide B* (SNRPB2), mRNA	Homo sapiens phospholipid scramblase mRNA, complete cds	Homo sapiens EGF-like repeats and discoldin Hilke domains 3 (EDIL3), mRNA	Homo saptens Ran GTP ase activating protein 1 (RANGAP1), mRNA	Homo sapiens KUA0829 protein Msx2 Interacting nuclear target (MINT) homolog (KIAA0929), mRNA	Homo sepiens intersectin 2 (SH3D1B) mRNA, complete cds	Homo sapiens CGI-201 protein (LOC51340), mRNA	Horno saptens apolipoprotein C-II (APOC2) mRNA	Hamo sepiens apolipoprotein C-II (APOC2) mRNA	Human DNA polymerase beta gene, exons 12 and 13	Homo capiens similar to rat hitsgral membrane glycoprotein POM121 (POM121L1), mRNA	Human Ku (p70/p80) subunit mRNA, complete ods	Homo sapiens plasminogen (PLG) mRNA	Homo saplens reelin (RELN) mRNA	Homo seplens chromosome 21 segment HS21C084	wi67h08.x1 NCI_CGAP_Kid12.Home sapiens oDNA clone IMAGE:2398431 3' similer to contains element.  AN IMSR manelities element:	T	wm84d12x1 NGL CGAP	AN 601591416F1 NIH_MGC_7 Hamo septens dDNA clone IMAGE:3945818 5:
T LOX	Top Hit Detabase Source	¥	M	·	Ę	M	NT.	NT	٦	¥	Ę	NT	Ę	F	ħ	V	NT	Ę	Ę	F	F	FN	Ϋ́	N.	NT	FN	N.	NT	EST HIMAN	EST HIMAN	EST HUMAN	EST HUMAN
Single	Top Hit Acession No.	11024695 NT	7363442 NT	11436001 NT	11422024 NT	7662309 NT	7662309 NT	04468.1	11416870 NT	3.0E-85 U44953.1	11525829 NT	11430889 NT	11421422 NT	11421422 NT	8	5031660 NT	11418177 NT	7657268	2.0E-85 AF248640.1	7708205 NT	5174775 NT	5174775 NT	525.1	7557468 NT	2.0E-85 M30938.1	4505880 NT	4826977 NT	2.0E-85 AL163284.2		4450 1		1.0E-85 BE794308.1
	Most Similar (Top) Hit BLAST E Value	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85 AJ4	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85 AF0	3.0E-85	3.0E-85	2.0E-85	2.0E-85,	2.0E-85	2.0E-85	2.0E-85	2.0E-85 U10	2.0E-85	2.0E-85	2.0E-85	2.0E-85	2.0€-85	2 05-85 4176	2 05-85	2.0E-85	1.0E-85
	Expression Signal	1.03	0.91	6.35	0.72	4.92	4.92	7.95	0.84	44.	0.48	4.39	0.84	0.84	0.72	1.48	3.02	0.62	2.35	1.19	13.02	13.02	2.92	4.22	3.57	4.68	0.74	1.21	4 78	0.80	26.0	3.65
	ORF SEQ ID NO:	31126	31180	31729	32734	32782	32783		34103	34659	35319	35798	36343	36344	37338	38484		27218	27289	27882	27682	27683	28568		29280	30574	30810	31136	38004	38480	37118	
	SEQ ID	18148	18208	18715	19385	19436	19436	20185	20827	21139	21786	22258	22772	22772	23733	24786	25848	14157	14231	14589	14604	14804	15436	14523	16263	17594	17822	18139	20630	0880	23504	15491
	Prebe SEQ ID NO:	5019	2089 2089	5517	6210	6262	6262	7897	7555	8058	8706	9178	9096	9926	10700	11796	12999	888	1065	1438	1451	1451	2304	2884	3087	4454	4687	5030	8	9849	10468	2380

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Top Hit Descriptor	601509696F1 NIH MGC_71 Homo septiens cDNA clone IMAGE:3911303 5	HARAND XI NCI CGAP Pr28 Homo septens a DNA clone IMAGE:2251371 3'	WIGODAN COLOR Carbons CONA dama CKCRSFD2 5	AVENDED CALCITUDIO SELVENS CANTO CALCOLOGICO CALCOLOGICO SELVENSIONO PARA PARA PARA PARA PARA PARA PARA PAR	60/30/283811 NIP MAC_21 FIGURE SQUARE LIBERTAL CONTROL	ESTITIZZ JURGI I COMO VIDENTO CONTROL	Homo sapiens chromosome 21 segiment no.21 coopers china clone INAGE 283478 5	yzl 8808. r. Soares, murique, sokerosis, zatonimor, rigino operas con constanting	Human endogenous resources, company generals	Home sapiens mixing to the NAS 1277 process, pages contracting to the Contracting to the	LES 13/6210 MANGE (escaparations, which indicates defined to the particular of the complete cds	Homo saprens rysoprosporation acts activately acts and the sample of the	Homo sapiens lysophosphandic and acytual islandsockala (L. 701) com.)	Ind87g08x1 NCI CGAP GXX Homo septems curve dure involution located	Homo sapiens cAMP-specific prospinories tease on (FOLON) in turn, print the	H. sapiens mRNA encoding prospriorpase c	H. saplens mrRNA encoding phosphoripase c	Homo sepiens similar to ectoruc/eoude pyrophosphalasse/phosphodiesterase 3 (H. sepiens) (LOCSSZ14),	mRNA - INST - DAIA complete rde	Human Chediak-Higashi syndrome protein short isotom (LTST) mitvich, continue was	Homo sations butyrobetaine (gamma), 2-exoglutarate cloxygenase (gamma-butyrobetaine hydroxyasse)	(BBOX), mrvA	Homo sapiens buyroceaine (paintila), 2-wogulanan wwyskimo (samini m.).	Home series phesipolitic scramblese 1 (PLSCR1), mRNA	Learne construct rhymnerum sentectation 1 (west handon) like (CSE1L), mRNA	Talling companies of the property of the prope	FIGHTO SECTION DESIGNATION FOR THE THE PROPERTY (MICHAEL)	Homo septents best-corporated to provide the provide t	Homo sapiens hypothetical protein FLLADIZO (FLLAD) in the sapiens hypothetical protein in the sapiens	Homo septens mRNA for KIAA1411 protein, perda cus	Homo capiens ribosomal protein S6 kinasa, 80(d.), polypeptide 3 (RFSoNAs) Illinum.	Homo septens thyroid autoenfigen 70kD (Ku amigen) (1222-1), mirush	Hamo sepiens gene for AF-8, camplete ods	Home sentens NADH dehydrogensse (ubratinone) Fe-S protein 1 (75kD) (NADH-coenzyme Q reductase)	(NDUFS1) mRNA
Top Hit Database Source	EST HUMAN	TOTAL TOTAL	ESI HOMAN	EST HUMAN	EST HUMAN	EST HUMAN	¥	EST_HUMAN	Ę	Į.	EST HOMAN	Į.	LN.	EST HUMAN	¥	N	눌		M	IN		M	Ę			Ž	Ę	Ę	¥	¥	¥	<u>F</u>	Į.		NT
Top Hit Acession No.	T	Ī	240.1	768.1	354.1		2.0E-86 AL163203.2		9635487	3103.1	8142.1		2.0E-86 AF156776.1	5742.1	3490.1	11.1	11.1		11419429 NT	41	١.	11437135 NT		1143/130	I NOOSOO	11422084 NI	11545846 NT	11545846 NT	11417120 NT	AB037832.1	TN 159051	11418189 NT	15		4826855 NT
Most Similar (Top) Hit BLAST E	9 AC DRIDERRATO 4	3.05-90.0	3.0E-86 AIGS	3.0E-86 AV690	3.0E-86 BE41(	2.0E-88 AA306	2.0E-88 A	2.0E-86 N	2.0E-86	2.0E-86 AB03	2.0E-86 AW96	20E-86 A	2.0E-86 A	20E-86 AW51	2.0E-86 A	2.0E-86 Z164*	2 OF 88 7184		2.0E-88	1 PR 20 C		2.0E-86		2.05-80	2.0E-30	2.0E-86	2.0E-86	2.0E-86	2.0E-88	20E-88 AB03			1		1.0E-86
Expression Signal		į,	4.87	1.37	3.38	1.56	2.69	3.33	8.53	1.56	1.51	229	228	2.59	3.21	1.32	4 33	3000	0.78	02.0	3	262				1.96	2.9	29	0.48				ľ	7.80	2.15
ORF SEQ ID NO:			37529	38491		28525		27437			29679	_	Ĺ	L	31030	L	l	1	33501	1		35392			35728	36153	37307			l					27864
SEQ ID		23460	23906	24763	25971	13485	13622	14378	15398	15473	16869	16999	16999	17303	Ŀ	L	1	2/1/8	25837	⊥	18717	21851	<u>L</u>	_ :	22183	22584		L	_	1		L		25638	14779
Probe SEQ ID NO:		10425	11720	1883	12300	777	427	1217	2265	2342	3502	3840	3840	4464	4910	500		2885	200	1	88.58	8772		8772	9104	8519	10884	10664	10857		12/01		12788	12880	1627

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ORF SEQ Expression ( Expression (	Velue	29417 1.68 1.0E-86 5453649 NT	29502 2.39 1.0E-86 L20492.1 INT	29553 1.74 1.0E-86 AL163209.2 INI	29664 1.74 1.0E-89 AL163209.2 NT	30504 5.41 1.0E-86 AL163300.2 NI	30861 0.94 1.0E-86 4507334 N	32149 1.85 1.0E-88 AL 163284.2 NI	32149 1.63 1.0E-86 AL163284.2 IN	1.84 9.0E-87 A1150708.1 EST HUMAN	34150 1.82 9.0E-87 4757721 N	34151 1.82 9.0E-87 475/721 NI	26720 49.59 8.0E-87 X62245.1 NI	28626 3.27 7.0E-87 BF083211.1 EST FINAN	28627 3.27 7.0E-87 BF063211.1 EST HIMAN	33067 1.38 7.0E-8/ AW 850336.1 EST HIMAN	34990 3 7.0E-8/ BF332//0.1	34610 0.86 7.0E-87 BE/12501.1 EST HUMAN	3.38 7.0E-8/ ALU455142 EST HUMAN	3.38 7.0E-87 ALMAN 17.2	0.63 7.0E-20 AMOLEON NT	37825 0.09 7.0E-07 (MACAON 2.4 INT	37826 6.59 7.0E-07 7657213 NT	29/24	33089 1.47 0.0E-01 AD02200-11	4.48 6.0E-87 11432444 NT	27404 1.62 5.0E-87 AA382811.1 EST HUMAN	27404 2.58 6.0E-87 AA382811.1 EST HUMAN	27220 1.37 4.0E-87 AL 163210.2 NI	Z7420 7.91 4.0E-87 AB037833.1 NI	1.31 4.0E-87 R78133.1 EST HUMAN	28348 2.28 4.0E-5/ ABOUT 2241
		29417	29502	20553	29664	30504	30881	32449	32149		L	L																L	L			
Exan SEQ ID	ö	ARADE	L	l.	L.	1	1_	١.	١.	18672	1_	L	1_	<u></u>	<u> </u>	L	21465	21096	78 23311						51 19713	. 24044	_1_		L		1461 1461	2088 15226
Probe SEQ ID	ö	200	307	3		4380	4743	18	11905	5472	7608	7606	492	2369	2369	6530	8	9663	10Z	10276	10686	11129	11129	3615	6551	COVE		- 18	ال	٢	7	Ä

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Table 4
Single Exon Probes Expressed in Placenta

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	Top Hit Descriptor	y80f10,r1 Soares placenta Nb2HP Homo sapiens QNNA cione IMAGE:145079 5 similar to contains Aburestitive element.	y80/10,r1 Sogree placenta NDZriF nomo sapens curira cuta intracti.	Homo saplens CGI-60 protein (LOC51628), mRNA	Homo saplens CGI-60 protein (LOC51626), mRNA	Homo sapiens myeloidfymphod or mbed-fineage fetrkama (mhorax (brosophina) runnovy, og morange. (ALLT4) mRNA	ETS-RELATED PROTEIN 71 (ETS TRANSLUCATION VANAMILE)	Human transcription tector NFATXS minute, curlipses as	TCBAP1E4031 Pediatric pro-6 cal acute lymphobasic contents of the CBAP4051	Homo sapiens KIAA1072 protein (KIAA1072), mKNA	Hamb sapiens Kirch 1072 prousi (NAM 1072), illingian	Homo septers unbern (1902) gene, examino	Human von willebrand statut jaseutogene variotytemis	HOMO SECTION CONTINUES FOR THE SECTION OF THE SECTI	Homo sapers calcunating bridges (National Post 1) methods (P2RVL1), mRNA	Home series bigh mobility grap (nontristone chromosomal) protein 4 (HMG4) mRNA	ALIMAGOSE HELIBAT Homo capiens CDNA clone HEMBA1000307 5'	CAN-TAINTIGE 150500-552-h08 TN0038 Homo capiens cDNA	December 2012/00-031-604 HT0580 Homo saplens cDNA	ENTEROPATE NIH MGC 21 Hamo sapiens cDNA clane IMAGE:3843730 5	SOURCE SHOULD MICH MICH AND Saplens CDNA clone IMAGE:3843730 5	Fant 341383F1 NIH MGC 53 Hamo saplens CDNA clane IMAGE:3683348 6	World of Source fetal liver spleen 1NFLS Homo sepiens cDNA clone IMAGE:243398 6	AVIGE A. A. C. Homo saniens cDNA done GLCDS G04 3'	ANATAMACE NIH MAC: 17 Homo saplens CDNA clane IMAGE:3531511 5	Lows series hart damain and RLD 2 (HERC2), mRNA	1.01-07 of Series field liver colors 1NFLS Homo sepiers CDNA done IMAGE:243386 5	1721-07 rd Somes field liver soleen 1NFLS Homo sepiens cDNA clone INAGE:243386 5	Himan excloshiin gane for excloshiiin (EC 5.2.1.8)	601278315F1 NIH MGC 39 Hamo sapiens cDNA dane IWAGE:3610539 5	
	Top Hit Datebase Source	EST_HUMAN	EST HUMAN	1	N.	ħ	SWISSPROT	Z.	EST_HUMAN	Ę	Z	Ę	Z	Ę.	Į.	Z!	IN I	FST HUMAN	FOT TOWN	EST HOWAIN	TOT TOWN	ESI HUMAN	TOT TOWAN	ESI HUMAN	ESI HUMAN	ESI HOMAN	INI	FOT HUMAN	ES L'HOMAN	DEST CIMAN	
Pigno	Top Hit Acession No			7706299	T/06299 NT	5174574 NT			4.0E-87 BE247284.1	11425291 NT	11425281 NT	1.48524.1	×۱	11417862 NT	11417862 NT	11417812 NT	4885420 NT	AU116935.1	BF376311.1	BE175478.1	20E-87 BE/34190.1	2.0E-87 BE734190.1	BE567193.1	2.0E-87 N48128.1	2.0E-87 AV664143.1	<b>₹</b> 1	11433048 NI	N48128.1	N48128.1	20E-87 X52851.1	BE331130.1
	Most Similar (Top) Hit BLAST E Velue	4.0E-87 R78133.1	4 0E 97 R78433 1	4.0E-87	4.0E-87	4.0E-87	4.0E-87 O00321	4.0E-87 U85429.1	4.0E-87	4.0E-87	4.0E-87		4.0E-87 M606	4.0E-87	4.0E-87	4.0E-87	2.0E-87	2.0E-87 AU11	20E-87 BF37	2.0E-87 BE17	2.0E-87	2.0E-87								1	20E-8/19E3
	Expression	82		8	800	38	4.6	0.58	434	0.71	0.71	3.64	3.42	1.27	1.27	58.7	14.35														4.86
	ORF SEQ ID NO:	28402	]		28730	1_											23057		31138			32276		33389	33868		3 33918	1 34157		36209	
	Exan SEQ ID NO:	46279	1	_1	19620		L	L	1	_	L	1_	1_		L		15950	17043	18161	<b>l</b> _'	18970	18970		18991	30235		L	1 20681	4 20918		8 23027
i	Probe SEQ ID NO:	74.83		2143	2493	2450	55.62	2000	8	7848	7848	2	11437	12705	12705	12896	2836	3884	5033	5076	<i>6778</i>	5778	8456	883	6920	7324	7374	7811	7864	8583	8866

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	Top_Hit Descriptor	Homo sapiens putative glycolipid transfer protein (LOC51054), mRNA	PM2-CT0265-141099-001-g04 CT0265 Homo sapiens cDNA	PM2-CT0265-141099-001-904 CT0265 Homo sepiens cDNA	Human mRNA for T-cell cyclophilin	Homo septens neuredn III (NRXN3) mRNA	Homo sepiens growth factor receptor-bound protein 10 (GRB10) gene, exon 8	Homo sepiens growth factor receptor-bound protein 10 (GRB10) gene, exon 8	Homo septens IQ modif containing GTPese activating protein 1 (IQGAP1) mRNA	Homo sapiens protein kinase C, beta 1 (PRKCB1), mRNA	Homo sepiens IQ motif containing GTP ase activating protein 1 (IQGAP1) mRNA	Homo sapiens tracheal epithelium emiched protein (PLUNC) gene, complete cots	Homo sepiens mRNA for alpha2,3-stalytransferase ST3Gal VI, complete cds	Homo septens mRNA for alpha2,3-stalytransforase ST3Cal VI, complete cds	RC6-BN0278-050700-012-E02 BN0278 Homo sepiens cDNA	RC8-BN0278-050700-012-E02 BN0276 Homo sapiens cDNA	Human L-plastin mRNA, 5 end	Homo sepiens hect domain and RLD 2 (HERC2), mRNA	Homo saplens RGH1 gene, retrovirus-like element	Homo sepiens sulfotransferase-related protein (SULTX3), mRNA	Homo septems beta-unekthopopionasse (BUP1) gane, exon 9	Home septems beta-uneldoproxionasse (BUP1) gene, evon 9	Homo saplens double stranded RNA activated protein kinase (PKR) gene, excn 12	Homo sapiens mRNA for KIAA1389 protein, pertial cds	Homo sepiens mRNA for KIAA1389 protein, pertial cds	Homo sapiens DKFZP588P1522 protein (DKFZP586P1522), mRNA	Homo saplens chromosome 21 segment HS21C009	H.sapiens EOE-1 gene (exon 9)	H. saplens ECE-1 gene (excn 9)	Homo sepiens X-Enked enhidroifio ectodermal dysplasia protein gene (EDA), exon 2 end flanking repeat	regions	Homo sapiens KIAA0063 gene product (KIAA0063), mRNA	K9719F Human fetal heart, Lambda ZAP Express Homo sapiens cDNA clone K9719 5 similar to ZINC FINGER PROTEIN HZF1	Homo sapiens intersectin short Isoform (ITSN) mRNA, complete cds
	Top Hit Database Source	N N	EST_HUMAN	EST_HUMAN	¥	NT	Z Z	Į,	뒫	M	NT	NT	IN	NT	EST_HUMAN	EST_HUMAN	M	N	NT	NT	NT	N	IN	TN	NT	TN	NT	Į.	MT		٦	Ę	EST_HUMAN	Ł
6	Top Hit Acession No.	7705683 NT	\W361877.1	1.0E-87 AW361977.1	700052.1	<b>4758827</b>	1.0E-87 AF073371.1	1.0E-87 AP073371.1	4506786 NT	11431590 NT	4506786 NT	1.0E-87 AF214562.1	1.0E-87 AB022918.1	1.0E-87 AB022918.1	1.0E-87 BEB18183.1	SEB18183.1	A34426.1	5729867 NT	710083.1	7657632 NT	69558.1		9.0E-88 AF167465.1	37820.1	137820.1	7861701 NT	63209.2	929.1	020.1 /		6.0E-88 AF003528.1	7661887 NT		Σ
	Most Similar (Top) Hit BLAST E Value	1.0E-87	1.0E-87 AW	1.0E-87	1.0E-87 Y00052.1	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87 BE	1.0E-87 M3	1.0E-87	1.0E-87 D10083.1	1.0E-87	1.0E-87 AF1	1.0E-87 AF1	9.0E-88 A	9.0E-88 ABC	9.0E-88 ABC	9.0E-88	9.0E-88 AL1	9.0E-88 X91	9.0E-88 X91		6.0E-88	5.0E-88	5.0E-88 N89399.1	5.0E-88 A
	Expression Signal	2.2	1.61	1.61	5.18	23	1.63	1.63	1.09	1.05	0.92	9.83	0.95	96.0	2.92	2.82	0.88	2.11	1.66	2.31	1.22	1.22	8.48	2.04	2.94	0.99	1	2.97	2.97	-	4.04	1.22	3.65	0.62
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SEC ID   DNO: Signal   Aboet Similar   Top Hit Accession   No. Signal   Value   No. No.		Top Hit Descriptor	Lows serviews intersectin short (soform (ITSN) mRNA, complete cds	Homo septembring short isoform (ITSN) mRNA, complete cds	wd68h08.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE-2236799 3' similar to contenns Alu	repetitive element contains element MER22 MER22 repetitive element;	Home experts metsecul strat isolating to say in a say	Homo sapiens interesctin short isorom (113N) minara, compass com page 147129 5	ymo8510.r1 Soares mant main innib muino september septem	Homo sapiens chromosome 21 segiment 1521 coortises than 52 for the live of the	CUCI 34836F 1 MILL MODE CONTROL AND Septens CDNA	PM1-1NULS-309800-001	FINITY MIN MGC 81 Home sapiens cDNA done IMAGE:4280975 5	Lower conjunt transforming growth factor, beta-induced, 68(O) (TGFBI), mRNA	Truin seriens cell division cycle 10 (hamologous to CDC10 of S. cerevisiae) (CDC10) nrRNA	Linno ecciens KIAA0162 gane product (KIAA0152), mRNA	Homo seniens KIAA0152 gene product (KIAA0152), mRNA	Home servieus hybothetical protein FLJ21634 (FLJ21634), mRNA	Homo saniens zinc finder protein 259 (ZNF259) mRNA	724817 s.1 Sogres fetal liver splean 1NFLS Homo sapiens cDNA clone IMAGE:295823 3	Homo sablens a disintegrin and metalloproteinese donein 23 (ADAMZS) metha	Homo sepiens a disintegrin and metalloproteinase domain 23 (ADAM23) mKNA	Hamo sapiens hypothetical protein FL J20220 (FL J20220), mRNA	Home saptens valosin-containing protein (VCP), mRNA	Homo sapiens polycythemia rubra vera 1; cell surface receptor (PRV1), rimuch	Homo sapiers v-rai simian leukemia vira oncogena nomona n kee semany v	Homo saplens interleukin 13 (IL.13), mRNA	Homo sapiens activator of S phase kinase (ASK), mitting	Homo sapiens activator of S phase kinase (ASK), mRNA	Homo septens putative anion transporter 1 mRNA, complete cos	Homo sepiens retinoblastoma-binding protein 2 (RBBP2), mKNA	ANAM (GDF5), mRNA	Homo septems growth differentiation factor to (car usgo-carrou maybdenum cofactor blosynthesis protein Homo scalens molybdenum cofactor blosynthesis protein A and molybdenum cofactor blosynthesis protein	mRNA, complete cds	
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Single Exon Procession   Cray Hit Accession   Cra	de	Top Hit Descriptor	-5NA ctree DKFZP434E248 5	KF70434E246_11 434 (synonym: htes3) Homo sapiens outh car	saplens CLN3 gane, complete CDS	saplens CLN3 gene, complete CLN3 mRNA	Jono septens plastin 3 (1 solid III) (1 (21 (22) mRNA	lamo sapiens plastin 3 (T isotomi) (* Levy)	como septions actin relativo protein 220 mRNA	Homo sapiens KIAA0433 protein (NIAA0433), mRNA	Homo sapiens KIAA0433 process (A.S.) mRNA, complete eds	Human 85-kilodalton phosphopuomi uresi	Haaptens Weet hu gene	Hisaplans West hu gand	Homo septens mRNA for KIAAveza protein, pertiel ods	Homo sapiens mRNA for Kladucka process	Human adose reductase (AR) gene, segment (mitofilin) (IMMT), mRNA	Homo saplens inner membrene process, in page 4 homolog (PRP4) mRNA	Homo sapiens serine/threonine-protein Miles 21 3 (UBE 2.3) mRNA	Homo sepiens ubiquitin-conjugatory enzyme 23 (UBE213) mRNA	Homo sapiens ubiquitin-conjugating enzyme	Homo sociens mRNA for KIAA0406 protein, partial cds	Litymo saplans mRNA for Klaa0406 process, Practice of IRP2), mRNA	Homo sepiens low density lipoprotein-related process (LRP2), mRNA	Homo saplens low density ipoprotein-realistic leukernia Baykor-HGSC project - 1 con 1	TCBAPZE0383 Pediatric pre-B cell acute lynithments		T	Т	Т	T	7	LASSACT IN SORTER DIRECTED SELECTION CONTROL AKINASE ALPHA:		$\neg r$	١.	1		
Ewan         ORF SEQ         Expression         Top Hit Availar         Top Hit Availar         No           NO:         18174         31161         7.0E-89         AL04578           18174         31778         1.57         7.0E-89         X89832.1           18744         31778         1.57         7.0E-89         X89832.1           18744         31778         1.57         7.0E-89         X89832.1           19640         33000         1.57         7.0E-89         X89832.1           19640         33000         1.57         7.0E-89         X8982.2           19640         33000         1.57         7.0E-89         X8982.2           19640         33000         1.57         7.0E-89         X8982.2           19640         37786         1.57         7.0E-89         X8923.2           1 19640         37786         1.34         7.0E-89         X8923.2           2 2785         1.34         7.0E-89         X8923.2           3 2785         1.34         7.0E-89         X8923.2           3 2751         2.52         6.0E-89         X8923.2           3 2828         1.61         6.0E-89         X8923.2           4 1616 </td <td>XON PIONES</td> <td>TOP 芸</td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Z.</td> <td>Į.</td> <td>Z</td> <td>Z</td> <td>ty!</td> <td>IN</td> <td>F.</td> <td>LI S</td> <td>LN</td> <td>Į.</td> <td>FN8</td> <td>NS/NT</td> <td>NAME TO FOR</td> <td>ESI nome</td> <td>EST HUMAN</td> <td>EST HUMAN</td> <td>ESI HUMA</td> <td>EST HUMA</td> <td></td> <td></td> <td><math>\exists</math></td> <td>T</td> <td>٦</td> <td></td> <td></td>	XON PIONES	TOP 芸			1										Z.	Į.	Z	Z	ty!	IN	F.	LI S	LN	Į.	FN8	NS/NT	NAME TO FOR	ESI nome	EST HUMAN	EST HUMAN	ESI HUMA	EST HUMA			$\exists$	T	٦		
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Top Hit Descriptor	Homo sanians PXR2b protein (PXR2b), mRNA	DYROL pychola (PXR2b), mRNA	Home seprens Proving Programme (PXR2b) mRNA	Home saptems (AVXL) proving (AVXL) mRNA
  | T CBC St Homo serviers dDNA clone IMAGE:1843022 S' similar to gb:J04131  | 9g96c08.x1 Soares_NPL_1_c8511.cm.<br>GAMMA-GLUTAMYLTRANSPEPTIDASE<br>GAMMA-GLUTAMYLTRANSPEPTIDASE   | Homo saplens topoisomeraso related nunctual protein (10 4)  | Haspiers HCK gene for tyrosine kinase (TTN), even 1   | H. sepiens HCK gene for tyrosine kinase (PIR), exame 10-11   | Hano sapiers chromosome 21 segment HSZ10005   | Hamo sapters GGT gene, each 6  
  | 601065686F1 NIH MGC 10 Home eaplens cDNA cidne IMMCE. COLLEGE   | Home sapiens gene for LECT2, complete cds  | Limean N. offrwareimide sensitive factor mRNA, partial cds  | Huma cameras chromosome 21 segment HS210085  | in corporation MRNA martial cds  
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  | Hamo sepiens CaBP5 (CABP5) gene, exon 5  | Anna Schumit of VLA3 receptor) (TGA3), mRNA   | Homo sapiens integrin, apria 3 (anuger OC+50), april 1988  | Homo sapiens cell adhesion molecule with homology to L1CAM (close not not gard L1) (close not gard L1) (close | Human MAGE-7 antigen (MAGE7) pseudogene, carripped complete cds  | Homo sapiens human endogenous redomins W gray Co. 1 Auril Homo MAGE:3134897 3' similar to TR:054778 05477   
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  | 1045   | 10015   | 3077   | 801   | 11871  | 12017   
  | 1287  | 1187  | 11877   |
|                               | Exom ORF SEQ Expression (Top) Hit Top Hit Acession Database SeQ ID NO: Signal BLAST E No. Source | Expression ID NO:       Signal NO:       Signal NO:       Signal NO:       Value       Action of the Action | Example   Expression   Anost Similar   Top Hit Acession   Detablese   Signal   Value   Value   Value   Value   Top Hit Acession   Detablese   Source   Source   Value   Valu | Dear   Carlo Signal   Anost Similar   Top Hit Accession   Top Hit Accession   Top Hit Accession   Deatabase   Deatabase   Source   No.   Signal   BLAST E   Value   Example   Example   Cart   Example   Cart    | Expression   CRF SEQ   Expression   Top Hit Acession   Top Hit Acession   Top Hit Acession   Detablese   Source   Signal Value   Val | Exam   CRF SEQ   Expression   Top Hit Acession   Top Hit Acession   Crop Hit Acessio | Exam         ORF SEQ ID ID NO:         Signal 13816         Most Similar Top Hit Accession Crop Hit Accession Signal Velue         Top Hit Accession Course         Top Hit Accession Delabases           NO:         Signal 13816         2.0E-89         7706870         NT           13816         28656         0.73         2.0E-89         7706870         NT           13816         28656         0.89         2.0E-89         7706870         NT           13816         28656         0.89         2.0E-89         7706870         NT           13816         28656         0.89         2.0E-89         7706870         NT           13816         286760         0.69         2.0E-89         AB037788.1         NT | Description   Capture   Page | Exam         ORF SEQ ID ID NO:         Expression Signal         Most Similar Top Hit Accession Plants         Top Hit Accession Signal Plants         Top Hit Accession Signal Plants         Top Hit Accession Signal Plants         Top Hit Accession Source Source Source Source Source Accession NT Top Hit Accession NT NT NT NT NT NT NT NT NT NT NT NT NT | Exam         ORF SEQ ID ID NO:         Expression Signal         (Top Hit Top Hit Accession Value)         Top Hit Accession Source         Top Hit Accession Source         Top Hit Top Hit Accession Source           NO:         Signal Signal Signal AST E ANGER ID NO:         0.73         2.0E-89         7706870 NT         I           13616         26657         0.73         2.0E-89         7706870 NT         I           13616         26657         0.89         2.0E-89         7706870 NT         I           13616         26657         0.89         2.0E-89         7706870 NT         I           13616         26760         0.63         2.0E-89 ABG37768.1         NT           14748         30394         1.18         2.0E-89 AF0868877.1         I           17414         30402         5.14         2.0E-89 AF086887.1         I | Exam         ORF SEQ ID ID NO:         Expression Signal         (Top) Hit Top Hit Accession Value         Top Hit Top Hit Accession Signal         Top Hit Top Hit Accession Value         Top Hit Top Hit Accession Source           NO:         Signal Signal Signal AST E NOIS ID NO:         2.0E-89         7706670 NT         I           13616         2.6657         0.73         2.0E-89         7706670 NT         I           13616         2.6667         0.89         2.0E-89         7706670 NT         I           13616         2.6667         0.89         2.0E-89         7706670 NT         I           13616         2.6760         0.63         2.0E-89         7706670 NT         I           13617         2.6760         0.63         2.0E-89 ARG37768.1         NT           11740         30402         5.14         2.0E-89 ARG3778.1         NT           17414         30402         5.14         2.0E-89 ARG8872.1         NT           17414         30403         6.14         2.0E-89 X58742.1         NT | Exam         ORF SEQ ID ID NO:         Signal and second signal and second  Exam         ORF SEQ ID ID NO:         Signal sequencesion         Most Similar (Top Hit Accession Velue)         Top Hit Accession Signal Velue         Top Hit Accession Sequences (Top) Hit Accession (Top) Hit Accessi | Exam         ORF SEQ ID ID NO:         Signal and sequences of the complex of the com | SEQ ID   ID NO: Signal   Crop Hit   Top Hit Acession   Crop Hit   Crop Hit   Top Hit Acession   Crop Hit   Cr | Paragraphic   Composition   Exam         ORF SEQ         Expression         (Top) Hit Top Hit Acession         Top Hit Acession | Page   Page | Exam         ORF SEQ (ID)         Expression (Top) Hit Acession (To | Page   Page | Part   Cap   He   Ca | Part   Carlo   Hart   Cap Hit   Ca | Exp. 10 (Top) Hz         Hotel Signal (Top) Hz         Top H | Para   Cycle SEC   Signal   Houseston   Trop Hill   To Hill Auceston   Trop Hill   Homo supplies PAG2 protein (PAG2), mRNA   Homo supplies PAG2 p | Part   Cape SCI   Particular   Part    Page 20   Day SEC   Signature   Most Striffar   Top-Hil Accession   Top-Hil Descriptor   Top-Hil Top-Hil Accession   Top-Hil Top-Hil Accession   Top-Hil Accession   Top-Hil Accession   Top-Hil Top-Hil Accession   Top-Hil Acc | Comparison   Com | Part   Part | Part   Part | Part   Part |

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Table 4
Single Exon Probes Expressed in Placenta

SEQ 1D SEQ 1D NO: NO: NO: NO: NO: NO: NO: NO: NO: NO:	ORF SEQ OD NO. OD NO	Signal Signal 1.07 1.07 1.07 1.07 1.08 4.38 3.28 3.28 3.28 1.138 1	Most Stmiler Top Hit Page BLAST E Value 5.00-50 AL16 8.00-50 AL16 8.00-50 BE57 8.00-50 BE57 8.00-50 BE57 7.00-50 BE57 7.00	Top Hit Acession No. No. No. No. AL163246.2 AL163246.2 AL163246.2 AL163246.2 AL163246.2 AL163246.1 BE570561.1 BE570561.1 BE177830.1 AA782977.1 BE177830.1 AA782977.1 AA782977.1 BE177830.1 AA782977.1 AA782977.1 BE177830.1 BE177830.1 AA78297.1 AG77700.1 UT7700.1	Detabase Source Source THUMAN THUMAN THUMAN THUMAN THUMAN THUMAN THUMAN THUMAN	Top Hit Desortbor Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 21 segment HS21C046 Homo septens chromosome 22 segment HS21C046 Homo septens CAP- Lu24 Homo septens cDNA clone IMAGE:1843022 3' similar to qb.J04131 GAMMA-CLUTAMAT. TRANSPEPTIDASE 1 PRECURSOR (HUMAN);contains Alu repositive element; Homo septens calclum channel eithat Estaurit (CACAVHE) gene, econs 7-49, and pertia cds, afternatively spliced Interpretation of the Cell Homo septens cDNA clone IMAGE:385324 3' XX34622x1 Seares lests MHT Homo septens cDNA clone IMAGE:385324 3' XX34622x1 Seares lests Invertation septens cDNA clone IMAGE:385324 3' XX34622x1 Seares lests Invertation septens cDNA clone IMAGE:385324 3' XX34622x1 Seares lests Invertation septens cDNA clone IMAGE:385324 3' XX34622x1 Seares lests Invertation septens cDNA clone IMAGE:385324 3' XX34622x1 Seares lests Invertation septens cDNA clone IMAGE:385324 5' XX34622x1 Seares lests Invertation to septens cDNA clone IMAGE:385327 5' Hardens septens Inycothetical protein FL10388 (FL110388), mRNA Homo septens H9CON In MRNA, perella cds Homo septens H9CON In MRNA, perella cds Homo septens H9CON In MRNA, perella cds Homo septens Inycothetical protein FL10388 (FL110389), mRNA Homo septens Inycothetical protein FL10388 (FL110389), mRNA Homo septens Inycothetical protein FL10388 (FL110389), mRNA Homo septens Inycothetical protein FL10389 (FL110389), mRNA Homo septens Inycothetical protein FL10389 (FL110389), mRNA
		4.01	6.0E-90	4504794		Homo sepiens inositol 1,4,5-triphosphate receptor, type 3 (ITPR3) mRNA Homo sepiens TCL8 cerus excn 1-10b
.1.	984	27.59	5.0E-90 AB03(	244.1		Home segvens TCLB gara, exch 1-10b
1219 14380			50.70	- 22008	5	Himan canma-ammobility acid transaminase mRNA, partial cds

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Single Exon Probes Expressed in Placenta

Top Hit Descriptor	- 9998c08.x1 Scarse_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1843022 3' similar to gb:.J04139 CAMMA-GLUTAMM_TRANSPEPTIDASE 1 PRECURSOR (HUMAN);contains Alu repetitive element;	qg86c08.x1 Scares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1843022.3' similar to gb:.J04131 GAMMA-GLUTAMYLTRANSPEPTIDASE 1 PRECURSOR (HUMAN);contains Alu repetitive element;	Hamo sepiens intersectin lang isaform (ITSN) mRNA, complete ads	Homo sapiens pregnancy-zone protein (PZP) mRNA	Hamo sepiens chromosame 21 segment HS21C001	H. sapiens mRNA encoding phospholipase o	Homo saplens EVI5 homolog mRNA, complete cds	Hamo sapiens ELKS mRNA, complete cds	H. sapiens mRNA encoding phospholipase c	Home sapiens Carbonic anhydrase-related protein 10 (LOC56934), mRNA	Homo sapiens Carbonic anhydrase-related protein 10 (LOC56934), mRNA	Homo sapiens angiopoletin 4 (ANG4) mRNA, partial cds	Homo sapiens angiopoietin 4 (ANG4) mRNA, pertial cds	Hamo sapiens adenylate cyclese 8 (ADCY9) mRNA	Homo sapiens hypothetical protein FLJ13222 (FLJ13222), mRNA	Homo sepiens similar to ectonucleotide pyrophosphatasselphosphodiesterase 3 (H. sepiens) (LOC63214), mRNA	Homo sapiens calcium-binding transporter mRNA, partial cds	Homo sapiens ATPase, aminophospholipid transporter-like, Class I, type 8A, member 2 (ATP8A2), mRNA	Homo sepiens KIAA0317 gene product (KIAA0317), mRNA	Homo sapiens KIAA0317 gene product (KIAA0317), mRNA	Homo sapiens gene for AF-8, complete cds	er78h05.x1 Barstead aorta HPLRB6 Homo sepiens cDNA cione IMAGE:2128761 3'	Hamo sapiens chromosome 21 unknown mRNA	Hamo capiens chromosame 21 unknown mRNA	Homo sapiens myosin phosphatase, target subunit 1 (MMPT1), mRNA	H. saplens gene encoding discoldin receptor tyrosine kinase, exon 16	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA
Top Hit Database Source	EST_HUMAN	EST_HUMAN	Г			- LN		IN				LN	FA.				Ę					EST_HUMAN	LN	INT TN				
Top Hit Acession No.	5.0E-90 Al222095.1	Al222085.1	14487.1	4506354 NT	3201.2	11.1	8915.1	15617.1	11.1	9910365 NT	TN 23620168	13708.1	3708.1	4657258 NT	11345483 NT	11419429 NT	5.0E-90 AF123303.1	11433721 NT	7882051 NT	7662051 NT	1399.1	A1523368.1	1920.1		4505316 NT	33.1	6806918 NT	E806918 NT
Most Similar (Top) Hit BLAST E Value	5.0E-80	5.0E-80 AIZZ	5.0E-90 AF1	6.0E-90	5.0E-80	5.0E-90 Z164	5.0E-90	5.0E-90 ABO	6.0E-90 Z164	5.0E-80	5.0E-80	5.0E-90 AF1	5.0E-90 AF11	6.0E-90	5.0E-80	5.0E-90	5.0E-90	5.0E-90	5.0E-90	5.0E-80	5.0E-90 ABO	5.0E-90 AI52	4.0E-90	4.0E-80	4.0E-90	4.0E-90 X990	4.0E-90	4.0E-90
Expression Signal	1.07	1.07	237	4.51	0.78	2.85	0.72	1.32	1.88	9870	0.95	2.04	204	7.98	4.89	17.1	17.0	99'6	0.53	0.53	1.77	4.54	2.04	204	4.36	13.42	0.74	0.74
ORF SEQ ID NO:	28116	71182	28859	30784	30806	32196		32307	32186	33430	33431	33905	33906	34286	35107	36506	37133	37306	37362	37363			26562	26663	27332	27966	29114	20115
Exan SEQ ID NO:	15010	15010	15745	17797	17818	18901	18919	19000	1	20021	20021	L	_	20797	21569		23523			23758	25659		13529	L.	14275	14874		16101
Probe SEQ ID NO:	1864	1864	2622	4662	4683	2708	5728	5810	9889	6889	6886	7364	7364	7736	8488	8887	10488	10683	· 10723	10723	12948	13000	313	313	1110	1724	2923	2823

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	milear Top Hit Acession Detablese Source Source		6806918 NT	6806918 NT	75.1 N.	3070.1	M95967.1	IN STRONG	6806918 N I	6108.1 EST HIMAN	EST HIMAN	EST HIMAN	BE33/813.1	1 0 07 1 50C	5031748 N	T HUMAN	Z	29855 NT	11626901 NT	11525901 NT	NAMILIA HIMAN		11427320 NT	7320	EST HUMAN	AU118985.1	11024711N1	22168	ž Š			
-	<b>≱</b> + ⊔	Vætue	4.0E-90	4.0E-90	4.0E-90 D876	4.0E-90 AB03	4.0E-80 MB	4.0E-90	4.0E-90	3.0E-80 BF51	3.05-90.61-5	3.0E-90 BE	2.0E-00 BE	2.0E-90	2.0E-90	20E-90 A1	2.0E-90 AB	2.0E-90	20E-90	2.0E-90		2.0E-90 A	2.0E- <del>0</del> 0				2.0E-90			١		
-	Expression Signal		0.93	0.93	3.63	21	1.91	1.74	1.74	0.91	0.91	28.7	4.5	6.48	6.48	295						3.89	0.39	68.0			3.06	9, 4.1			1,92	
	ORF SEQ ID NO:		29281	29282	30800	31037	31047	29114	29115	34638		38619	28473		27422	20403					L	32406	36623	_		\ 		5 26539		S 26628		35 26933
		 Ž	18784	L.	1	1	L	1	1	21119	21119	24916	13442	L	14362	<u> </u>	201/1	L	10130	L	_	3 19092	3 23032	L	١	١	١_	<u> </u>	1_	386 15983		713 13895
	<del></del>	<del>-</del> -	9000	88	8	679	4630	12885	12886	8036	8038	11930	22	1200	1200		243	4011	RZ200	888	8	5903	5000	}	10165	10165	11758	*		8	7	`

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Single Exon Probes Expressed III riskelika	Top Hit Descriptor	Homo seniens ALR-like protein mRNA, partial cds	Homo sapiens Al R-like protein mRNA, partial cds	Homo septiens Knuppel-like factor 7 (ubleutitous) (KLF7), mRNA	Homo remiens motern phosphatese 2A BR gamma subunit gene, extra 3	Homo septems protein phosphatese 2A BR gamma subunit gene, exon 3	RATTEGERSE2 NIH MGC 53 Hamo septens cDNA clane MAGE:3511118 5	Homo seriens similar to SALL1 (sel (Drosophila) like (LOC57167), mRNA	Homo sapiens chromosome 8 open reading frame 2 (CBORF2), mRNA	Homo sepiens mRNA for KIAA0903 protein, pertial cds	Homo expiens mRNA for KIAA0903 protein, partial cds	Homo septens soluble interleuisin 1 receptor eccessory protein (in inv., ) serv.,	and complete cds, attentatively spliced	Home sapiens III.VA.19 No. 19	Limina Administration Comman factor-1 mRNA, complete cds	Luma coming solute carrier family 1 (high affuily aspartatelg/u/amate transporter), member 6 (SLC1A6),	mRNA mRNA - befolds A lishisting ausning nucleotide-exchange protein 2 (BIG2), mRNA	Homo septers SNCA isoform (SNCA) gene, complete cds, alternatively spliced	Home seriens CGI-15 protein (LOC51006), mRNA	Hamp sepiens CGI-15 protein (LOC51006), mRNA	HUMIOOOS381 Liver HepG2 cell line. Homo saplens cDNA clone \$381 3	Homo saplens makorin, ring finger protein, 1 (MKKN1), mkwa	CALBT043-090299-075 BT043 Homo septens CUNA constitutions of the IMAGE: 448015 3"	Z30b04.s1 Scares fetal liver speed Tinnis Strain Salaria	AU143539 Y79AA1 Homo sapiers C.M.A. Gode 11 97431002087 5	AU143539 TravA Truit equality (C22ORF6), mRNA	Homo saplens chromosome 22 open reading from 5 (C22ORF5), mRNA	Hamo sapiens critamosanie 22 openi ostanis ministra	au48f09.x1 Schneder fedal brain 00004 Homo saplens cDNA done IMAGE:2518121 3' shnifar to au48f09.x1 Schneder fedal brain 00004 Homo saplens cDNA done IMAGETY CBL LCOSAMINYL. PLASPARAGINASE PRECURSOR:	-,1	$\overline{}$	1
Exon Probes	Top Hit Database Source					Z	MANA	HOWEN		5	NT		N	NT.	Į.	Z	M	Į,	Z	I L	EST HUMAN	ч.	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	4 NT	4 NT		EST HUMAN	EST HUMAN	
Single	Top Hit Acession No.		1.00	21	450/828	5154.1	9154.1	9884.1	11420514 N	1.0E-90 CUDICA		10000	1.0E-90 AF167340.1	1.0E-90 AB014533.1	11426910 NT	191934.1	11426758 NT	11422086 NT	AF163864.1	11422109 NI	114221091N	8.UE-91 D12424.1	7 0F 01 AIO04151.1	F.OF-94   AA702794.1	AU143539.1	AU143539.1	Ì	7110634 NT		5.0E-91 AI879995.1	5.0E-91 BF314682.1	VACABLE I
	Most Similar (Top) H祥 Tig BLAST E		1.0E-90 A	1.0E-90 AF264	1.05.00	1.0E-90 A	1.0E-90 AF09	1.0E-90 BE37	1.0E-90	1.06-90	1.05-50.4	1.05-30.	1.0E-90 A	1.0E-90 /	1.0E-90	1.0E-90 U91934.1	1.0E-90		1.0€-90.			1										
	Expression Signal		17.03	17.93	225	3.46	3.48	261	3.73	6.46	0.59	0.35	1.68	2.08	6.0		231		0.92	1.4				0.0								1.4/
	ORF SEQ ID NO:		L	20972		27560			28195			30113	30863	L	L		<u> </u>			36148	1 36149				28/44		00/00 00/00 00/00	1	31043	33300		39 35581
	SEQ ID		13929	13929	14200	14491	١.	1_	15094	16093		17112	A TROOM	1_	1_	1_	I	L	1_	L	í_		ŀ	- 1	Ł	1	$\perp$		908	19906		22039
	Probe SEQ ID	į	245	748	4434	1334	133	į	1861	2916	3954	3954	97.5	\$ 15 5 05 5 05	0102	7220		9021	20,00	9516	9516	4313	8501	10507	3563	465g	88 88	4830	<b>4630</b>	6750	8400	8880

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	Top Hit Descriptor	AV649878 GLC Homo sapiens cDNA done GLOBYF08 3'	certoff 1 x1 Sources fetal lung NibHL19W Homo sapiens cDNA clone IMAGE:1744365 3' strilliar to consumina	MIR.bz MIR MiR repositive dement;	Homo septems is supplied and confirmation of the september of the septembe	and depends by supplies the manufacture of the supplies of the	Hamo sepiens chramosame 21 segment HSZI (Wost	ESTUMBT9 Hippocampus, Stratagane (car. mesocase) manie caprone car.	FST01579 Hippocampus, Stretagane (cat. #836205) Homo saplens cDNA clone HHCMC80 similar to	Retroverus-related gag polygrotein	ST01579 Hippocampus, Stratagene (car. #850205) munic septemble comments	Retroirus-related gag payprovein	ES1015/9 hippocalipus, orangem (m. 1888). Retrounts-related gag polyprotein	Homo sapiens solute carrier family 4, artion excreanger, manner 3 (SLCAA3), mRNA	igno saplens solute carrier family 4, anon excitating 4, illication of control in the control family 4, and the control in the	Homo septens ubiquitin-conjugating BIR-dometh enzyme APOLLON mRNA, complete cos	Homo saplens chromosome 21 segment HS21C083	Homo sapiens mRNA for KIAA1278 protein, partial cds	Homo saplans mRNA for KIAA1278 protein, pertial cds	Homo serviens cyclin-D binding Myb-like protein mRNA, complete ods	Human Ku (p70/p80) subunit mRNA, complete cds	Hamp sepiens chromosome 21 segment HS21C085	Hamo seplens chramosome 21 segment HS21C085	Homo saplens epididymal secretory protein (19.5kD) (HE1), mrunk	Homo sapiens cyclin-dependent kinasa 8 (CDK6) mRNA	ANSWER Transfer Indiana, Andrew Control of the Cont	Homo septens gennna-aminobutyric acid (GABA) B receptor, 1 (SABBA), ususcopy, and acid acid acid acid acid acid acid aci	Hamo septens gamma-emindoutyric acid (GABA) B receptor, 1 (GABBR1), transcript variant 2, mRNA	Human L-type calcum charing beta-1 subunit (CACNILD) 890-1	Human L-type calcum channel better 1 studium (Chronical Angrica) mena	Homo saplens ankynin-like with transmembrane domains 1 (Autyn m.), Illingen	Human mRNA for very low density inoprotein receptor, compare cas	-
aligies of the second	Top Hit Detaberse Source	A WANN A	Т	L HUMAN		¥			EST JOWAN	EST_HUMAN F		EST HUMAN	EST HUMAN										Į.	Þ	Ę		Ā	Ā	NT	Z	M	Į.	
Pigino.	Top Hit Acession No.	T	1						M77994.1				1	11430193	14 490402 NT	3	T			3.0E-91 AB033104.1	3.0E-51 AFU64330.1	3.0E-91 MSUSOS. 1	3.UE-91 AL IOMANA	44434964 NT	TIM OFFICER	402/40	11497611 NT	11497611 NT	U86959.1	1.88959.1	9801589 NT	2 0F D4 176404 1	
-	Most Similar (Top) Hit Ti BLAST E		5.0E-91 AV6486/G.	5.0E-91 Al193	4.0E-91 AF156778.1	4 DE 91 AF156776.1	4.0E-91 AL163284.2		4.0E-91	4.0E-91 M77994.1		4.0E-01 M77894.1	A 0F-91 M779	3 DE 01		3.05-97	305-01	3.05-97	3.0E-91 /	3.0E-91	3.0E-97	3.05-91		١	1	3.01-61	3.05-01	3.05.91	3.0E-91	205.01	3 OF-81		
	Expression Signal	-	1.47	1.61	1.58	- 58	22.6		3.27	4.27		1.16	4 46													2.56	2.98					800	
	ORF SEQ ID NO:		35582		29465				32074		25.12	32019													3 32296	2	33262	<u> </u>	1		1	1	32287
	Exen SEQ ID NO:		22039	26831	18448		16440	74547	25267	1	20202	25457				14800	15993	16589	16716	16716	17047		1	١		19802	10871	1	l	_	_1	2 21214	_ 1
	Probe SEQ ID NO:		0968	42074	33	3616	3272	E L	12376		12376	4 2685		12685	1647	1647	1832	3420	3651	3551	3888	4714	5094	500	5803	6434	8743	5	6713	7816	7816	8132	8970

Page 415 of 550 Table 4 Single Exon Probes Expressed in Placenta

	p Hit Top Hit Descriptor Top Hit Control Top Hit Descriptor Urce	DNA 6- KIAAA504 nodeln, pertiel cds	FIGURE SEQUENCE IN THE SECOND PROPERTY OF THE CASE	HOTD SQUESS IN U.V. N. O. T. C. C. C. C. C. C. C. C. C. C. C. C. C.	HOTO SQUARS IN U.V. N. U. U.V. N. U. U.V. N. U	HOTTO septests to be a complete to the complet	Home Advanced 24 secretaril HSZI (004)	┪	Т		Т	Т	1	Т	Thailt separate INVESTOR age of	Trutto sequence months of Klad nesses profess profess of the control of the contr	Figure Mark & ATDess subunit mRNA, partial cds	Humo seriers hydothetical protein FLJ20280 (FLJ20280), mRNA	Harmon Capital Pt mRNA, complete ods	Transcendens narial TMASE2 gene for tetrasparin protein, each 5	House sarkers narial TMASE2 gene for tetraspanin protein, even 5	Homo serviens mRNA for KIAA1512 protein, partial cds	Homo seniens mRNA for KIAA1512 protein, partial cds	Hermo septems brefeldin A-inhibited guanine nucleotide-exchange protein 2 (BIG2), mKNA	Т	Т	Т	Homo satiens diacythycard kinasa, gamma (90kD) (DGKG), mRNA	Homo sepiers mRNA for KIAA1600 protein, pertial cds	Homo serviers FVVE domain-containing dual specificity protein phosphatase FVVE-DSP2 midvA, complete	spo	Homos septems in C. ** A series in C. ** A series in the catalytic subunit variant 1 (REV3L) mRNA, complete cds	Homo september Dry Lymeraco Caracteristics All Control of Caracteristics All Control of Caracteristics All Control of Caracteristics All Caracteri	Human lens membrane protein (mp19) gene, exon 11	
The second of th	t Accession Top Hit Detablese No. Source		Z	Z	Ę	۶	٤	Z	EST HUMAN	34402 N I	ES HUMAN	EST HUMAN	1 EST HUMAN	EST HUMAN	ĮN.	N	Z	IN S	1 Nept / 7	·	i i	Z	2 2		ACCUSO IN I	TOTAL MAN	ESI DOMAN		¥1,77,14		NT	LN.	IN	416961 NT	
-	78 H		3.0E-01 AB01116	3.0E-81 AB029003.1	3.0E-91 AB029003.1	3.0E-91 AF169535.1	3.0E-91 AF1695	1.0E-91 AL163284.2	AW449	1.0E-01	1.0E-91 BF348182.1	1.0E-91 BF348182.1	1.0E-01 AV7630	퉭	9.0E-92 AJ0016	9.0E-92 AJ0016	9.0E-92 AB020640.1	50000	- 1	9.0E-92 AF3101	9.0E-92 AJ2505	9.0E-92 AJ2505	0.0E-02 AB040945.1	1	9.0E-92	8.0E-92 W.26367.1	8.0E-92 BE386363.1	8.0E-92	8.0E-02	8.0E-82 A5040	8.0E-92 AF284717.1	8.0E-92 A.10009	8.0E-92 AF179428.1		8.0E-92 LD418
	Expression (To Signal BL		0.73	1.49	1.49	8.54	8.54	2.94	2.74	0.78	1.96	1.96	1.48	1,5	5.77	5.77	99.0	5.86	262	3.77	0.55	0.55	1.63			8.83				89.0	80			0.55	
	ORF SEQ. ED NO:		36108	38207	38208	31430	31431	26300	27502	31742	33640	33641	38814		27496		L		32210	33127	34644	34645	35191			26357				7 31722	34877	Ŀ			35235
	SEO ID	<u> </u>	22545		1	18485	18488		14431	1	L	<u> </u>	L	1_		<u> </u>	1_	L	18915	L_	21124	L	21650			5 13330	8 13513			8 18707	18800	1	L		21700
	Probe SEQ ID	<u> </u>	GARR	1480	11480	13037	43037	45	1274	5529	888	888	12130	12640	1270	1270	6309	6229	5722	6583	28	8	8569	8569	9474	ø	88	1868	1886	9099	264.F	212	989	8283	8620

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	Tap Hit Descriptor	Homo sabiens adenylosuccinate lyase gene, complete cds	Homo sepiens calcineur in binding protein 1 (KIAA0330), mixing	Wisherd R. F. Soares placenta Nb2HP Homo sapiens CDNA clone IMAGE. 1433/143	waneou.r.i Soares placenta Nb2HP Homo sapiens dDINA cione IMMGE. 1430143	Homo saciens ribosomal protein, large, P1 (RPLP1) mRNA	HTM1-288F HTM1 Homo saplens cDNA	house X NCI_CGAP_CL1 Home septens con a constitue dementantial segment	Q16825 PROTEIN-TYROSINE PHOSPHATASE D1 (CONTRETE AND STATE OF THE PARTY PROMITED AT A CONTRETE THIMAN	1801602X1 NCL_CGAP_CLT1 Homo sapiens cDNA clone IMAGE:2107487 3 sumiar in 2011 11 11 11 11 11 11 11 11 11 11 11 11	Q16825 PROTEIN-TYROSINE PHOSPHA I ASE DI , CA remis resistante dementi:	MERT / repoure dealers con A done MAMMA/000738 5 AU121681 MAMMA1 Home septens con A done MAMMA/A contact con Similar to ribosome	EST188414 HCC cell line (matastasis to liver in mouse) ii nomo sapremento con line (matastasis to l	protein L29 Homo septens celectum channel alpha1E subunit (CACNA1E) gene, exxns 7-49, and partial cds, alternatively	spicod	United the state of the state o	Т	_	Т	Home sepiens mRNA for KIAA1287 protein, perusi cus Home sepiens mRNA for KIAA1287 protein, (B1) mRNA, complete cds	Homo capiens PTH-responsive concentration of the control of the co		Т	Т	Trains september of CDC21.5 protein kinasa, (CDC21.5 gene), Isoform 2	Home skalatel muscle 1.3 kb mRNA for tropomyosin	Human sometic cytochrome c (HC1) processed pseudogene, complete dis	Homo sapiens without (WBSCR1) and without (WBSCR5) genes, complete cus, also included the contract of the cont	replication factor C subunit 2 (RFC2) gene, complete cds	
Single Exon Flores	Top Hit Database Source			NAM	NAME	CMAC	NAL TOTAL	EST HOWER		ESI HUMAN		EST HUMAN		EST_HUMAN	۲.	EST HUMAIN	LN.	EST HUMAN	TN	LN	N.T	TN	EST_HUMAN	EST HUMAN	Z	¥	<u> </u>	ž	M	
Single	Top Hit Acession No.		201	245/	8078.1	8078.1 E31	800					1380358.1	9.0E-63, AU121681.1	9.0E-03 AA316723.1	9.0E-03 AF223391.1		82	384.1	1919.1	6.0E-83 1132011	A NE. ON A PROST 71.1	AB014511.1	AI674184.1	A1674184.1	6.0E-03 AL1632012	5.0E-93 AJ297710.1	X04201.1	M22878.1	AF045556.1	
	# +·W	Value	2.0E-02 AF1066	2.0E-92	1.0E-92 R78078.1	1.0E-92 R78078.1	1.0E-92	1.0E-92 BE439625.1		1.0E-92 AI380356.1		1.0E-92 AI3803	9.0E-63.A	9.0E-93 A	9.0E-03	9.0E-93 BE388	9.0E-83	8.0E-93	7.0E-93 AF-23	80E-83						L		5.0E-63 M22	5 6.0E-63 AF0	
	Expression Signal		1.38	73.58	2.05	2.95	35.12	0.82		3.24		3.24	3.53	20.41	1.69	135	7.79	2.4	7.25			8 8							1.75	
	ORF SEQ ID NO:	:	32005	28954	28150	28151	28392	35051		35999		36000				1	10000	38271					1		7,000	204.00		32420	١	1
		ġ Ż	25524	15849	15045	15040	15074	34522		22440		22440	15225	1	1	1	$\perp$	19880	L				┙	_1		_1	16043	1	1_	18410
	Probe SEQ ID S	ġ	1000	7017	2000	100	à le	2132		3365		SASS	2085	280		2712	3703	1987	3 8	314	6819	7056	1412	1439	1439	1504	288		Ř	6239

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	Top Hit Descriptor	Homo expiens protein phosphatase-1 regulatory subunit 7 (PPP1R7) gane, excn 11, complete cd8 and alternatively spliced product	Homo sepiens discs, large (Drosophus) nomong 2 (chapsyr-119) (DLC2) millor	Homo sapiens discs, large (Didsopina) liutiway & (vingsopina)	Homo sapiens secretory pathway component Sec318-1 mRNA, attentatively spliced, complete cds	Homo sepiens TAR (HIV) KNA-binding protein 1 ( LANGE 1) fill NAS	Homo septens Wisb's protein (Wobs) military, will protein and the septens with a Ani India) military will be a septensial and the septensial and t	Homo sepiens rucesognam z (NOCSZ), marko	From Sapiers garring-pulsaring and a control of the IMAGE: 786688 3' similar to SW: CLPA_RAT	zwoedu st Soares, mens, Jinti nand septemb Caro, water in the payage CALPONIN, ACIDIC ISOFORM;	Homo sepiens interferon gamma receptor 1 (IPNGRT) minuk	Home saptens interferon garmina receptor 1 (IFNORT) INTERFER (DEST) mRNA	Homo sepiens pescadillo (zebralish) nomdog 1, containing broot committy Co.), m.c.o.	damo saptens pescadiro (zapratisti) inditiang 1, carrenting 2101 carrenting 21	Home sapiens nypoureaca procedure LAZOTOT (1 LAZOTOT)	Homo sapiens dysurphilin (LML) gene, underen breathern :	Home suppers Drive and see Long County Co. (Co. 2.1) mRNA	Homo Sapiens Intranspore SI D. Say (HCCR) mRNA	Homo saperis with a major of (1905) may	Horito septente anterioria del Partico (HCCS) mRNA		y694c12.rt Stratagane liver (#037224) Homo sapiens dDNA clone IMAGE:78838 5 similar to similar to SP-A44391 A44391 SERUM RESPONSE ELEMENT-BINDING PROTEIN SRE-ZBP - HUMAN ,	AV692051 GKC Hamo septens curve came on control of the CF-4732036 5	602246554-1 NIH MGC 02 FIGUR SAMAIS CAN GRAP IN COMPANY COMPAN	602246864-1 NIM MGC 02 main squals controlled in the controlled in	Hamo sapiens tersin mirviry, deniphere des	Homo sepiens GCN5 (general control of amino-ecid synthesis, yeast, homolog)-like 2 (GCN5L2), mRNA	MOZAWOSKI NO. COAR GOOT Rails agreed 84X, complete ads	
Series and a low series	Top Hit Database Source	TN								EST_HUMAN					¥	Ę	Į.	Ę	Ę	Z	뉟	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	LN.	¥	EST HUMAN	Z
algano	Top Hit Acession No.	6.0E-63 AF067136.1	4557526 NT	4557526 NT	74963.1	2158	5.0E-93 AF069313.2	11439599 NT	11417877 NT	4.0E-93 AA459933.1	4557879 NT	4557879 NT	7857454 NT	7857454 NT	3658		4.0E-83 AF157476.1	7656972 NT	7705396 NT	4504654 NI	7705396 NT	4.0E-93 [746864.1	4.0E-83 AV692051.1	3.0E-83 BF690630.1	3.0E-03 BF690630.1	3.0E-63 AF225896.1	28182	-	2.0E-93 AB015610.1
	Most Similar (Top) Hit T BLAST E Value	5.0E-03.A	5.0E-93	5.02-83	5.0E-63 AFZ	5.0E-93	6.0E-93 A	6.0E-83	5.0E-93	4.0E-93 A	4.0E-03	4.0E-93	4.0E-83	4.0E-83	4.0E-93	4.0E-93 /	4.0E-83 /	4.0E-93	4.0E-93	4.0E-93	4.0E-93	4.0E-93	4.05-83	3.0€-83		3.0E-83	3.0E-83		
	Expression Signal	3.52	0.73	0.73	2.02	1.35	1.78	1.92	2.31	88	2.38	238	1.16	1.16	2.12	4.37	1.19	1.16	0.73	1.51	0.75	501	10.47		12.26	2.6	1.31		5.59
	ORF SEQ ID NO:	34450	35422		36443				_		26690	L				28284		28909	20831	30308	29831	32255					33242		3 26447
	SEQ ID	20044	21883	21883	1 :		ì	١_	25791	<u> </u>		L	L	L		L	١.	L	<u>l</u>	17310	1	18952	L			L	L	1_	5 13418
	Probe SEQ ID NO:		T T T	408	0827	10012	10275	11064	12851	8	A KS	AKS.	200	282	1210	2033	2318	2672	3656	4159	5136	5760	11308	3742	3747	4350	9863	11040	195

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	Top Hit Descriptor	Chlorosebus aethicos mRNA for ribosomal protein S4X, complete cds	Home sersions chromosome 21 segment HS21 C085	Transcendens chromosome 21 sogment HS210085	Lows caries thesis mRNA, complete cds	Limman Olivesconsisted RS exchangilla CARS-Cyp mRNA, complete cds	THE TREES IN IN M.C. 16 Home septens (DNA clone IMAGE:3358220 F	SW116810E1 NIH MCC 16 Hamp septens CDNA clare IMAGE:3357243 5	ESTATAGE MAGE reservences, MAGH Homo sapiens cDNA	Horne seniens desfiness, autosomal dominant 5 (DFNA5); mRNA	AVALTICE 13-200200-126-104 HT0513 Homo septens cDNA	Lamb content hardreltes brotein (LOC51318), mRWA	India superior upon chemicana 14 Homo seciens cDNA done 1-86	HSU(45) Shuntar Cilianoscii C. M. M.C. 50 Homo sepiens cDNA clone IMAGE:3078329 5	UPDIT-DINCHAS TO SENIOR CON COME HTBAUBOA 5	AVIZIONE LITE LANDESCRIPE CONA CLORE HTBAUBON 6	AVIZIBED THE FINITE CONTROL LIBERTS THE HOME SEPTEMENTS CONTROL INVAIRE SCR346 3	Lizer Issail Company 2 and	TATTER STATE OF THE WAY OF SECTION OF THE SECTION O	Withdraw carlene CTR1 neeudocene	TUILD expects OTH presented and an annual presented an annual presented an annual presented an annual presented an annual presented an annual presented an annual presented an annual presented an annual presented an annual presented and an annual presented an annual pres	Home seniers hynothetical protein (DJ328E19.C1.1), mRNA	THE STATE OF COME CONTRACT OF STATE OF	ZINC FINGER PROTEIN.;	Homo sapiens DINA to an incompany of finaline 67(D) (GAD1), transcript varient GAD67, mRNA	Homo septems grutarinare occasional for 120291 in RNA	Homo expens hypotretical protein FL/20291 (FL/20291), mRNA	in the separation of the money compared to the complete ods	Hans square cystem to the control of the cystem of the cys	Hamo sapiens long chain polyunsaturated fatty acid elongation enzyme (HELO1) mRNA, complete ods	Homo sapiens MHC dass 1 regrai	Nove human gene mapping to composition of the contract of the	PUTITION OF THE WASC 17 Homo sepiens abin done IMAGE:3532965 5	
	Top Hit Database Source	THE STATE OF THE S		Z	Z	IN I	ī	EST HUMAN	EST HUMAN	EST HUMAN	L CL	ESI HOMEN	Į.	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	ESI HOMAN	Z	EST HUMAN	IN.	Į.	Z	EST_HUMAN	Ę	¥	Į.	<u>LN</u>	Į.	INT	Į.	Į.	EST HUMAN	EST DOMEN
	Top Hit Acession No.					5896.1	63.1		2.0E-83 BE253201.1	2.0E-63 AW964385.1	8 5	2.0E-93 BF351469.1	11430039 NT	174313.1	W502002.1			VA126735.1	41825.1	2.0E-93 BF035327.1	1.0E-93 AF238997.1	1.0E-63 AF238997.1	7057016 N	1.0E-83 AI146755.1	D87675.1	4503872 NT	8923270 NT	8923270 NT	AF167706.1	1.0E-63 AF231981.1	1.0E-93 AP055066.1	1.0E-03 AL137200.1	1.0E-93 BE297369.1	BE29/369.1
	Most Similar (Top) Hit BLAST E		2.0E-93 AB015610.1	20E-03 A	2.0E-83 A	2.0E-93 A	2.0E-83 U407	2.0E-83 B	2.0E-83 B	2.0E-93 A	2.0E-83	2.0E-93 B	20E-93	2.05-93 U74313.1	2.0E-93 AW	2.0E-93 AV7	2.0E-93 AV7	2.0E-93 AA1	2.0E-93 L41825.1	2.0E-93 E	1.0E-33 /	1.0E-83 /	1.0E-83	1.0E-83	1.0E-83	1.05-83	1.0E-93	.1.0E-93	1.0E-93 AF1					
	Expression Signal		5.59	13.77	6.74	3.9	223	1.02	1.19	80'9	0.7	0.64	1.08	0.76	12	1.39	1.39	1.78	. 3.26	5.34	1.38	1.38	7.76	3.32	3.43	0.0		7.22	9.7	108				132
	ORF SEQ ID NO:		26448	26578	28578	27884	28461	28805	31340	31746	31775		32248	32261		38044					26368		26750	26822				L					27546	Ц
.	SEQ ID		13418	13547	13547	14789	16334	15680	18374	1_	<u></u>	18854	18946	L	_	L	1_	L	L	┸			13724	43802	上	L	1	1	J	1	1	L	1 .	3 14480
	Probe SEQ ID NO:		8	333	334	1646	28	25.55	5254	5533	5544	2660	5754	8778	8822	44333	11333	12525	12624	12930	105	105	88	6	200	1	138	1265	1378		2694	3 12	2883	288

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Oligio Lyon Flores Lypressed III Flores Lypressed I	Most Similar Top Hit Accession (Top) Hit Top Hit Accession Defabase Signed BLASTE No. Source Source	176 29197 5.88 1.0E-93 D87675.1 NT Hamo saplens DNA for amyloid precursor protein, complete cds	1.0E-63 AF231981.1 NT Homo sapiens long chain polyunsahurated fatty acid elongation enzyme (HELO1) mRNA, complete cds	30888 3.28 1.0E-93 AL163284.2 NT	31426 0.92 1.0E-83 AF123498.1 NT	31427 0.92 1.0E-03 AF123498.1 NT	32167 2.39 1.0E-93 U78509.1 NT	32168 2.39 1.0E-63 U78509.1 NT	32383 1.2 1.0E-83 AF227138.1 NT	220 32543 10.78 1.0E-83 4557792 NT mRNA mRNA	32855 4.8	33670 1.94	178 33946 3.24 1.0E-83 D42072.1 NT Human mRNA for NF1 N-isoform-econ11, complete cds	35066 2.29	35353 1.15 1.0E-93 Y10183.1 INT	329 35488 1.14 1.0E-83 AF182032.1 INT (Homo septens protein kinese inhibitor genma (PKIG) mRNA, complete cds	34608 2.03 1.0E-63 AB040918.1 NT	34612 1.14 1.0E-93 AF091395.1	38403 3.9		36556	36934 0.59	1.82 1.0E-93 AJ230125.1 NT	3.71 1.0E-83	723 31941 1.36 1.0E-93 11417862 NT Homo sapiers calcinaurin binding protein 1 (KIAA0330), mRNA	1.42 1.0E-83 AF240786.1 NT	. 1.13 8.0E-94 AL163209.2 NT	30233] 1.94] 6.0E-94]AF142482.1  NT	31698 3.51 5.0E-04 AB014512.1 NT	31699 3.51 5.0E-94 AB014512.1 NT	32695 2.24	
		29197		30668	31426	31427	32167	32168	32383	32543	32855	33670	33946	35066	35353	35468	34608	34612	38403	38404	36555	36994			31841			30233	31698	31699	32695	
	E Exan ID SEQ ID NO:	3000 16176	87 16481	17687		Ш	L		35 19074	37 19220	36 19498	31 20246	20478	55 21536	40 21819	50 21929		55 21098	72827	72827				25608	25723		19 23852		X3 1868Z	X3 18682	73 19349	J
	Probe SEQ ID NO:	30	3287	4549	5348	5348	5684	5684	5885	6037	6326	6931	7400	8455	8740	88	88	9655	9787	9787	9926	10349	12820	12923	13108	13123	10819	4070	5483	5483	6173	

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Hit Pescriptor Top Hit Descriptor Top Hit Descriptor	MAN 602042163F1 NG CGAP Bm67 Hamo septens cDNA done IMAGE:4180023 5	Т	THIS expense a compress 2 (AK2) mRNA	┰	Т	Home september in the contract of the contract	┑	П	П		Homo septens solute cerrier family 22 (organic cation transporter), member 1-like (SLC22A1L), mRNA	Homo saptens solute cerrier family 22 (organic cation transporter), member 1-like (SLC22A1L), mRNA	Homo saplens hundingtin (HD) gene, exach 3/	Homo sapiens ASHZL gate, Curinete Cus, mine to Charles and Charles	Homo septens complement component a (1-3) illinum.  Homo septens complete ods	Home separate crystellier ich reneat-containing processor, mRNA, complete cds	Trans equal by section profession (FP300) mRNA	寸	Т	Т	Homo seplens mRNA for MEGF2, partial cds	Homo septens chromosome 21 open reading frame 18 (C21ORF18), mRNA	Homo sapiens neuronal cell acheston molecule (NRCAM) mRNA	Homo sapiens protocacherin siphe 13 (PCDH-elpha13) mRNA, complete cds	Home sapiens mRNA for KIAA0679 protein, partial cds	Homo sepiens glycogenin-1L mRNA, complete cds	Homo serolens exonal transport of synaptic vestcles (ATSV) mRNA	Human cbl-b truncated form 1 lecking leucine zipper mRNA, complete cds	IN MAGE 2391813 3' MISORITAT NGI CGAP CO16 Homo septems CDNA clone IMAGE 2391813 3'	Т	Т	1
Top Hit Destabese Source	CCT UTIMAN		Z		EST_HUMAN	Ę	닐	EST HUMAN	EST HUMAN	EST_HUMAN	Ę	Ę	Ę	Ę	Ę	Z	Z	Į.	EST HUMAN	ES HOWEN		1 2	5	5	1	5			Tou	FST	FST	
Top Hit Acession No.	,	1121	11423962 NI	11423962	9.6	췬	88		4.0E-04 AW197851.1	AI591312.1	11440670 NT	11440670 NT	8	AB022785.1		3.0E-84 AF167706.1	AF16770	4557556	3.0E-94 AA464805.1	AA7818	11490200			AEAEOOO	AP044570 4	AD0145/3.1	S.UE-SH ALTON STATE	7,72200.	3.05-94 (2.6/11.1	Al910393.1	2.0E-84 AIB 1035.1	10000
Most Similar (Top) Hit BLAST E		5.0E-84 BF 52	5.0E-94	5.0E-04	5.0E-84 T893	4.0E-94 L0509	4.0E-94	4.0E-94	4.0E-94	4.0E-94 AI59	4.0E-94	4.0E-04	4.0E-94	3.0E-94 ABO	3.0E-94	3.0E-84	3.0E-04					3.UE-64 ADV										
Expression Signal		0.85	1.43	1.43	3.6	16.49	66.0	1.12	1.12	3.06	1.48	148	60	1.76	1.13	129	120	3.18														3.07
ORF SEQ ID NO:		35457	37922	37923	31558		28952	29925	20026	30963	33144			26833	Ŀ		28022															26410
SEQ ID		21819	24284	24284	28171	15034	15841	16923	16923	17973	19757	1 _		13811	1_	L	1_	L	1_	17577	1		$oldsymbol{\perp}$						24960			13378
Probe SEQ ID		8840	11215	11215	12503	989	27.23	3762	3762	4840	6597	1000	7050		082	1779	1779	1813	4306	4437	5798	6279	6581	7978	8383	8787	9791	11362	11975	8954	9954	153

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Single Exon Proces Expressed in Placenia	Top Hit Descriptor	601111686F1 NIH_MGC_16 Hamo sapiens aDNA clone IMAGE:3352569 57	601111696F1 NIH_MGC_16 Hamo sepiens cDNA clane IMAGE:3352559 5'	Homo sapiens hypothetical protein (FLJ20746), mRNA	Escherichia coli K-12 MG1655 section 169 of 400 of the complete genome	DKFZp434G0314_r1 434 (synonym: htes3) Hamo sapiens aDNA clane DKFZp434G0314 5	y87102.r1 Soares infant brain 1NIB Homo sepiens cDNA clone IMAGE-45053 5	AV725992 HTC Homo sepiens cDNA clone HTCBEF05 5'	Homo sapiens chromosome 21 segment HS21C004	Homo saplens chromosome 21 segment HS21C004	Homo sapiens paired box gene 5 (B-cell lineage specific activator protein) (PAX5), mRNA	601468748F1 NIH_MGC_67 Homo sepiens cDNA clone IMAGE:3872099 5'	Homo sapiens II1 raceptor anagonist II1Ra (II1RN) gene, alternatively spirced forms, complete cds	ap22602x1 Schiller algodendrogilama Homo sapiens cDNA clane IMAGE:19561223' similar to TR:062845	Q62845 NEURAL CELL ADHESION PROTEIN BIG-2 PRECURSOR.;	Homo sapiens KIAA0164 gene product (KIAA0164), mFNA	601175762F1 NIH_MGC_17 Hamo sapiens cDNA clane IMAGE;3531038 5	601175762F1 NIH_MGC_17 Homo septens cDNA clone IMAGE:3531038 5	Homo sepiens TNF-alpha stimulated ABC protein (ABC50) mRNA, complete cds	Homo sapiens KIAA0255 gene product (KIAA0255), mRNA	Homo septens KIAA0255 gens product (KIAA0255), mRNA	M.musculus glyT1 gene (exons 1c and 2)	M.musculus glyl1 gene (exons 1c and 2)	Homo sapiens progressive ankylosis-like protein (ANK) mRNA, complete cds	Homo sepiens carbamyl phosphate synthetase I mRNA, complete cds	we09e04.x1 NCI_CGAP_LL24 Home sepiens cDNA clone IMAGE:2340606 3' similar to gb:K00558	TARINA VILLIA CONTROL	wedseto4.21 NCI_CGAP_LLZ4 Home septens cLNA cione IMAGE:2340606 3' similar to go:K00558 TTIBI II NA PHA-4 CHAIN (HI IMAN)	Homo septems KIAAO183 oene product (KIAAO183), mRNA	Homo sepiens protessome (prosome, macropain) 26S subunit, non-ATPase, 11 (PSND11), mRNA	Homo eapiens protessome (prosome, macropain) 28S subunit, non-ATPase, 11 (PSMD11), mRNA	Homo sepiens potassium channel subunit (HERG-3) mRNA, complete cds	Homo sapiens KIA40255 gene product (KIA40255), mRNA
EXUIT FIGUES	Top Hit Detabase Source	EST_HUMAN 0	EST_HUMAN 6		NT	EST_HUMAN D	EST_HUMAN W	EST_HUMAN A	H IN	H		EST_HUMAN 6	H	Г	T HUMAN	H		EST_HUMAN G	H			NT	NT	H IN	H		CO L HOMMAN	W NAME TO THE	Name of Contract of the Contra				
SING.	Top Hit Acessian No.	1.0E-94 BE253433.1	1.0E-94 BE253433.1	6692		1	1.0E-94 H08270.1	25992.1	632042	63204.2	11428710 NT	80478.1	590.1		244.1	11418871		95714.1	27302.1	7662027 NT	7662027 NT	509.1	569.1	74753.1	54830.1		6.0E-30/4/1/00890.1	B OF OS ATTIMOOR 4	19376	11426529 NT	11426529 NT	32897.1	11420944 NT
	Most Similar (Top) Hit BLAST E Value	1.0E-94	1.0E-94	1.0E-94	1.0E-04	1.0E-94	1.0E-94	1.0E-94 AV7	1.0E-94 AL1	1.0E-94 AL1	1.0E-94	1.0E-94 BE7	1.0E-94		1.06.94	1.0E-94	1.0E-94	1.0E-94	9.0E-95 AF0	9.0E-95	9.0E-96	9.0E-95 X82	9.0E-85 X82	9.0E-95 AF2	8.0E-95 AF1	100	0.00	20 20 8	805-95	8.0E-05	8.0E-95	8.0E-95 AFC	8.0E-95
	Expression Signal	2.05	2.05	1.11	0.69	1.94	0.82	0.66	0.8	0.8	. 217	1.35	3.11		1.88	1.34	202	1.73	6.05	1.09	1.09	1.46	1.46	1.58	2.9	8	8.	8	5.0	4.4	1.4	208	1.98
f	ORF SEQ ID NO:	29342	29343	30600	32724	32925	32836	33194	34908	34909	36138	38620	38028		38334	38738	28410	26410	27741	29409	29410	31733	31734	35054	26407	90.730	3000	307BO	33605	33934	33935	34898	36273
	SEO ID	16333	16333	17618						21386	22572	23029	24384		24650	25032	13378	13378				18718	18718	21527	13374	į	100	17704	20181	20468	20468	21472	22707
	Probe SEQ ID NO:	3158	3158	4478	6168	9689	6405	6648	8304	8304	9456	0668	11321		11597	12051	12639	12968	1506	3224	3224	5521	5521	8446	149	7650	4000	ARKB	7807	7380	288	8394	8565

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Top Hit Descriptor	Homo sepiens KIAA0255 gene product (KIAA0255), mRNA	Homo sapiens proline dehydrogenase (proline oxidase) (PRODH) mRNA	Homo explens mRNA for KIAA1395 protein, partial cds	Hamo septens early growth response 2 (Krax-20 (Drasophile) hamolog) (EGR2), mRNA	Hamo sapiens developmental arteries and neural crest EGF-like protein mRNA, complete cds	Homo septens HCF-binding transcription factor Zhangfel (ZF), mRNA	Homo sepiens zinedin (ZIN), mRNA	Homo sapiens zhedin (ZIN), mRNA	zu84b01.s1 Soares_testis_NHT Homo sepiens cDNA clone IMAGE:744649 3' similar to contains L1.H L1	repelitive element;	Homo saptens DNA for amylold precursor protein, complete cds	Homo sapiens DNA for emyloid precursor protein, complete cds	Human hepatocyte growth factor gene, exon 8	Human hepatacyte growth factor gene, exon 8	Hamo sepiens Ly-8-18te protech (CD59) mRNA, complete cds	Hamo sapiens chromosome 21 segment HS21 C046	HTM1-288F HTM1 Hamo sapiens cDNA	AV648381 GLC Hamo saplens cDNA clane CLCBIF01 3'	602071146F1 NCI_CGAP_Bm64 Hamo sapiens dDNA dane IMAGE:4214147 6	Homo expiens dedicator of cyto-kinesis 1 (DOCK1) mRNA	z/97d01.r1 Soares_testis_NHT Homo septens cDNA clone IMAGE:730273 5	Z197d01.r1 Scarres_testis_NHT Hamo sapiens cDNA clone IMAGE:730273 5*	EST370191 MAGE resequences, MAGE Homo sapiens cDNA	EST370191 MAGE resequences, MAGE Homo sapiens cDNA	Hamo saplens KIAA0763 gene product (KIAA0763), mRNA	Homo sapiens KIAA0763 gene product (KIAA0763), mRNA	601845212F1 NIH_MGC_55 Hamo saptens cDNA clane IMAGE:4070451 57	Homo sapiens KIAA0255 gene product (KIAA0255), mRNA	Homo sapiens KIAA0255 gene product (KIAA0255), mRNA	Hamo sepiens tissue inhibitor of metalloproteinase 3 (Sarsby fundus dystrophy, pseudoinflammatary) (TIMP3)	MKNA	601312161F1 NIH_MGC_44 Hamo saplens cDNA clone IMAGE:36368625	Homo sapiens G protein-coupled receptor 19 (GPR19) mRNA	Homo sepiens G protein-coupled receptor 19 (GPR19) mRNA
Top Hit Database Source										EST_HUMAN rep	NT Ho		nH IN		NT Ho	NT		EST_HUMAN AV	EST_HUMAN 60		EST_HUMAN   249	EST_HUMAN   249		est_Human es			EST_HUMAN 60					THOMAN		
Top Hit Acessian No.	11420944 NT	5174644 NT	37816.1	9845523 NT	AF112152.1	10864024 NT	7019572 NT	7019672 NT		29056.1	75.1	75.1	73.1	73.1	708.1	63246.2		3.0E-95 AV648361.1	5041.1	4503354 NT	12321.1	12321.1	958121.1	958121.1	7862289 NT	7862289 NT	13446:1	7662027 NT	7662027 NT		4507512	93873.1	6453665 NT	5453665 NT
Most Similar (Top) Hit BLAST E Vatue	8.0E-95	8.0E-95	8.0E-05 AB0	8.0E-95	8.0E-95	8.0E-95	8.0E-95	8.0E-95		8.0E-95	7.0E-95 D87	7.0E-95 D878	7.0E-95	20E-96	7.0E-95 M95	7.0E-85 AL1	4.0E-95 BE4	3.0E-95	3.0E-96 BF52	3.0E-96	3.0E-95 AA4	3.0E-95 AA4	3.0E-95 AW	3.0E-95 AW	3.0E-85	3.0E-95	3.0E-95 BF2	20E-95	20E-95		2.0E-85	20E-95 BE3	2.0E-05	20E-05
Expression	1.98	2.45	2,92	0.81	1,59	1.72	1.32	1.32		17.21	6.07	6.07	1.37	1.37	15.92	1,09	79.0	0.82	1.52	0.94	0.73	0.73	201	2.01	1.62	1.62	98.0	3.52	3.52	1	73.27	3.97	1.5	1.5
ORF SEQ ID NO:	36274	36693		37079	37670		38669	38670			26537	26538	28767		30608			26468		32285	33859	33860	L	34072	36190	36191	36581	27911	27012					28744
SEQ ID	22707	1	23121		l	24765	24967	24967		25588	13504	13504	15645	16645	17626	17673	L	L	i		20397	l	20598	20598	22620	22620		14828	14828				15624	15624
Probe SEQ ID NO:	9562	10053	10083	10440	10953	11773	11982	11982		12887	286	288	2510	2519	4486	4535	9418	215	8999	5791	7315	7315	7525	7525	8655	3998	8948	1678	1676		<del>88</del>	1998	2497	2497

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Table 4
Single Exon Probes Expressed in Placenta

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		d glutethione S-transferase theta 1 (CSTT1)		M carrier) (GCSH) mRNA	ane IMAGE:53393 s'		Y		e IMAGE:1880546 3' similar to WP:T23G7.4			protein genes, complete cds; and S171 gene,				otidase A) 2 (ACE2), mRNA	otidase A) 2 (ACE2), mRNA	R self-from H.	SALCHERING MEMBER 3) (MITT-3), MRNA	podio mistore for the CEOPS.	Periodical second (1 Cr.Z.), mixing	Standard (Core), michae	and the second s			14004A1 04/A	SMITTER LAND THE LAND	The state of the s			gutethione S-transferase theta 1 (GSTT1)
Chigh Lyon of Llynessed III Placenta	Top Hit Descriptor	Homo sepiens gutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1)	Homo conjene sharing slowers and	watch 8 2 Scare Life that a still 1	Homo sariens (summarmer mona mona mona con con livide: 53383 3°	Homo sepiens unconventional muser, contributed cos	Homo sabiens unconventional mysin-15 (LOCS) (30), minute	Homo sapiens mRNA for KIAA 1386 protein mertial cole	gm01c02x1 Soares_NhHMPu_S1 Home septems cDNA clone IMAGE:1880546 3' similar to WP:723G7.4 CE03705:	Homo seriene hymothetical protein (USanoball)	Conceptions KIA Angel American Line Angel Li	Homo septiens 3164 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and S171 gene,	John Sanlans (C), 19 mail: // Office of the	Trains squares octime protein (LOCS) mKNA	From Septens CGI-48 protein (LOC51096), mRNA	namo sapuens engrocensin i converting enzyme (peptidyl-dipeptidesse A) 2 (ACE2), mRNA	nullo separas engrocensen I converting enzyme (peptidyl-dipeptidase A) 2 (ACE2), mRNA	Homo sapiens membrane profein nefmilivates 4 (144.5) IX neg nettermations (1.5.1)	Human muscle-type phosphofunchkings (PEKAA)	Homo sapiens transcription factor 2 henetic: I F-B3 warrent henetic make a 17050	Homo sapiens transcription factor 2 heratic: 1 E-B3 variant benefit: 11.11.	Homo sapiens ciliary dynein heavy chain 9 / DNAHo) mRNA complete A	Homo saplens huntingtin (Huntington disease) (HD) mRNA	Homo sapiens ribophorin    (RPN2) mRNA	Homo sapiens KIAA1065 profein (KIAA1065) mRNA	Homo sapiens bane marphaganetic profess pecasing the 14 (B) (B) (B) 4 (C)	Homo saplens Sta20-related serine/threoning kiness (KIAA0204) ONA	Homo sapiens KIAA0763 dene product /KIAA0763 mbwa	Homo sapiens KIAA0763 gene product (KIAA0753) mDNA	Homo sapiens HSPC302 mRNA partial cds	Homo septems glutethione S-transferase theta 2 (GSTT2) and glutethione S-transferase theta 1 (GSTT1) genes, complete cds
DOLL HOW D	Top Hit Database Source	5		T HI IMAN					EST HUMAN																						
1	Top Hit Acesston No.	2.0E-95  AF240786.1	4758423 NT	R16245.1	2.0E-95 AF015452.1	TN05900/T	12	2.0E-95 AB037807.1		7657185		AF108907.1	5764	TYNKTEANT	1103/04 N	4422560BINT	2	11525883 NT	2.0E-05 M59724.1	11427182 NT	11427182 NT	2.0E-95 AF257737.1	11435773 NT	11421795 NT	11434330 NT	4757863 N	7661993 NT	7662289 N	7862289 N	20E-95 AF161420.1	
	Most Similar (Top) Hit BLAST E Vatue		L			20E-06	2.0E-85	2.0E-95	2.0E-95	20E-95	2.0E-95	205.95	20E-95	20F 05	2.0E-05	20F-95		2.0€-95	2.0E-95	2.0E-85	2.0E-95	2.0E-95/	2.0E-95	20E-95	2.0E-95	2.0E-96	2.0E-95	2.0E-95	2.0E-95	20E-95/4	2.0E-96
	Expression Signal	3.62	1.34	0.90	21	3.6	3.6	0.81	0.62	1.36	3.6	0.99	4.12	4.12	124	124		0.63	3.86	6.0	0.0	3.25	1.47	1.48	0.56	1.98	1.35	1.69	1.69	1.57	231
	ORF SEQ ID NO:	28784	28826				28830		30006		31242	31321	31840							33122	33123	33248	33647	35973	37236	37678	37836	38691	38692		32047
L	SEQ ID NO:		15707		16400	_: [		16867		17621	18273	18352	18792	18782	ļ	l	<u> </u>	_1	1944	19741	19741	19858	20218	2449	23627	24043	24210	24987	24987	22083	25407
	Probe SEQ ID NO:	2536	2582	2662	3226	388	38655	3708	3844	48	5151	5230	5597	5597	5815	5815		5855	828	6273	89/Q	9/90	88	8883	10582	10962	1138	12002	12002	12/03	12608

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	Top Hit Descriptor	mens hypothetical protein (HS322B1A), mRNA	Homo septents adenylosuccipate lyase (ADSL), minuto Homo septents adenylosuccipate lyase (ADSL), minuto Homo septents adenylosuccipate lyase (ADSL), minuto NbHOT Homo septents cDNA clone IMAGE:714007 5' similar to	#23H04.11 Sogres Dies ) will be seen that the seen of	TR:G106/091 Common NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septems control and a Society furnior NuHOT Homo septembs control and a Society fur	TR:G1087084 G1067084 FEGH2 6:	RCS-FN0019-280600-011-0-11 FN0019 Homo sapiens cDNA PAGE-31763 6	VgOSDOB./1 Socres Infant brain 1NIB Homo septembly John IMAGE: 3922423 6	801437232F1 NIH Mido_12110000 Bapiens dDNA dane IMAGE:3838101	801497608F1 NIH MICC. 70 Hamp septems CDNA clame IMAGE 3039701	(801497608F1 NIT) MCC 409 LT0019 Homo saplens CUNA	PMOLTOOTBUSSOOD 27 UNGOWN TIRNA	Homo septents chiculos do HT0559 Homo septents curvant inneces 260200-002-007 HT0559 Homo septents curvant	MRCH1000 Aromesome 21 segment HSZ10001	Home september of phosphate dehydrogenase poetwood	Luma sapiens KIAA0763 gene product (Nurvay 1971)	Liven scolars KIAA0763 gane product (Nursice, adult (MYH2), mrtha	Home septents myosin, heavy potypepture (KIAAA) MRNA	HAND Septemb KIAAO763 gene product (NIAAO763), mRNA	Homo saplens KIAA0763 gene product (November 2)		renegal mRNA	od, appla (rollwis)	Homo sapiens phosphodes as a contract of trapposition of trapp	Homo septens transfer to the A (7) (partial)	H. sapiens Live in mend, partial cds	Homo seprem NOO1 protein (NOO1) gene, goods	Hamo sapresso (dNT-2 gene), example the property of the control of	ANT-2 gene for mitochondria 3(3) mRNA	HOID SOFTING A Idnaso (PRICA) anchor profism 1 (n.w. p. )	Homo sapters A kinase (PRKA) anchor protein 1 (Mon.).			
OU PIOUS		Cource Source			EST HUMAN T	NAM! L. FOT	$\Pi$	EST HUMAN	1	Т	1	EST HUMAN	. LN	EST HUMAN	NT	IN.	IN	IN C	INI	IN 0	LNO	Z		2 2 2	SE NAT	12.	LN	Z	-	Z	11424399 NT	11424399 NT		
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	L		18	18	A DE DE DA 284651.1	<u> </u>	1.0E-95 AAZ84851.1	8 BF3	1.0E-95 R17806.1	-06 BE	8.0E-96 BE907607.	E-98 HE	E-96 AV	18 18 18 18 18 18 18 18 18 18 18 18 18 1	8 8 8 W	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 2	2 2 2		00 10 00 00 00 00 00 00 00 00 00 00 00 0	100 PO B	50E-96	50F.98	5.0E-96	5.0E-98	5.0E-06	5.0E-96	5.0E-98	60 10 10 10 10 10 10 10 10 10 10 10 10 10	i	5.0E-98	2000		
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		ORF SEQ ID NO:				18925	¥ 5	20748	20748	22825	21469	16012	16012	18822	17475			2	24070	2000	1000	25045	13544	14041	14041	46804	16268			19943	7	-1.	_	20230
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Table 4
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Tक Hit Descriptor	Homo sapiens amyloid beta (A4) precursor protain (protease neadn-II, Abcheimer disease) (APP), mRNA	Homo sapiens N-myc (and STAT) Interactor (NMI), mPNA	Human beta-prime-adaptin (BAMZ2) gene, excn 7	Homo saplens pericentrin (PCNT) mRNA	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) mRNA	601339520F1 NIH_MGC_63 Homo sapiens cDNA clone IMAGE:3681821 5	Homo sapiens phosphorylase kinase, gamma 1 (muscle) (PHKG1) mRNA	y58c08.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:129134 3"	Homo sapiens KIAA0649 gene product (KIAA0649), mRNA	Homo saplens KIAA0649 gene product (KIAA0649), mRNA	nk28g02.s1 NG_CGAP_Co11 Hamo sapiens cDNA clane IMAGE:1014962 3'	Homo sapiens ribosomal protein S15 (RPS15), mRNA	Homo sepiens ribosomel protein S15 (RPS15), mRNA	PMA-BT0724-010400-008-a12 BT0724 Homo saplens cDNA	Hamo sapiens cat eye syndrome critical region gene 1 (CECR1), mRNA	Homo sapiens CLDN12 gene for cleudin-12	Homo sapiens mRNA for KUAA 1636 protein, partial cds	Homo sapiens mRNA for KUAA1636 protein, partial cds	Homo sepiens death-associated protein (DAP), mRNA	Homo sapiens death-associated protein (DAP), mRNA	Human mRNA for amyloid A4(751) protein	Homo sapiens succinate-CoA ligase, GDP-forming, alpha subunit (SUCLG1), mRNA	Homo sapiens mRNA for KIAA1365 protein, partial cds	Homo sapiens 17-beta-hydroxysteroid dehydrogenase IV (HSD17B4) gene, exon 8	Homo sepiens SWISNF related, matrix associated, actin dependent regulator of chromatin, subfamily a,	member 3 (SWARCA3) mRNA	Homo saplens SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a,	member 3 (SMARCA3) mPNA	Homo eaplens inositol polyphosphate 1-phosphatese (INPP1) gene, complete cds	Homo sapiens protease-activeted receptor 3 (PAR3), mRNA	Homo sepiens mRNA for KIAA 1005 protein, partial ods	Homo sapiens mRNA for KIAA1005 protein, partial ods	PM4-BT0724-010400-008-a12 BT0724 Homo sapiens cDNA
Top Hit Database Source	NT	Ä	F	Ę	NT	EST_HUMAN	N	EST_HUMAN	NT	IN	<b>EST_HUMAN</b>	K	N	EST_HUMAN.	F	NT	NT	NT	NT.	NT	LN	NT	LN	LN		NT		M	FA	NT	NT		EST_HUMAN
Top Hit Acession No.	4502166 NT	4768813 NT	2551	5174478 NT	4503470 NT	1.0E-97 BE566486.1	5453881 NT	1.0E-97 R10887.1	11427757 NT	11427757 NT	1.0E-97 AA553761.1	11426272 NT	11426272 NT	9.0E-88 BE090973.1	8393092 NT	9.0E-08 AJ250713.1	9.0E-98 AB046858.1	9.0E-98 AB046856.1	4758119 NT	. 4758119 NT	KD6989.1	11321580 NT		9.0E-98 AF057728.1		4507070 NT		4507070 NT	41325.2	11431544 NT	3222.1	3222.1	3E080973.1
Most Similar (Top) Hit BLAST E Vælue	3.0E-07	3.0E-97	3.0E-97 U36	3.05-97	1.0E-97	1.0E-97	1.0E-97	1.0E-97	1.0E-97	1.0E-97	1.0E-97	1.0E-97	1.0E-97	9.0E-98	9.0E-98	9.0E-98	9.0E-98	9.0E-98	9.0E-98	9.0E-98	9.0E-98 XXX 5989.1	9.0E-98	9.0E-98	9.0E-98		9.0E-98		9.0E-08	9.0E-98 AF1	9.0E-98	9.0E-98	9.0E-08 AB02	9.0E-98
Expression Signal	7.16	194	2.4	98'0	2223	2.72	0.69	1.02	2.84	2.84	1.38	8,3	8.3	234	1.32	62.0	4.13	4.13	5.62	5.62	1.78	1.12	1.6	180 0.81		1.28		128	0.67	90	2.62	2.62	4.97
ORF SEQ ID NO:	27139	27712	28755	28523	31021	33095	33509	36600	37663	37684	38324	37668	37569	27163	27528		34583	34584	34711	34712	35943	36064	36112			36276		36277		37215	37962	37963	27163
Exan SEQ ID NO:	14073	16039	15998	16506	18032	19719	2002	23005	24027	24027	24842	23942	23942	14099	14461	19600	21072	24072	21191	21191	22392	22488	22549	22805		22709		22709	23502		24322	24322	14088
Probe SEQ ID NO:	788	1473	2508	3333	4902	<b>6557</b>	7039	9966	10945	10945	11589	11766	11756	824	1305	6432	8020	8020	8109	8109	9316	9425	9492	9540		8567		1996	10467	10575	11253	11253	12487

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Top Hit Descriptor	Homo sapiens IPAD-colony10 mRNA for peptidy/arginine defininase type I, complete cds	Homo saplens IL2-Inducible T-cell kinase (ITK), mRNA	Homo sapiens IL2-inducible T-cell kinase (ITK), mRNA	Homo sepiens PMS2L16 mRNA, pertial cds	Homo sapiens PMS2L16 mRNA, partial cds	Human mitochondrial creatine kinase (CKMT) gene, complete cds	601507503F1 NIH_MGC_71 Homo saplens cDNA clone IMAGE:3909097 6	AJ403124 3.4 (downregulated in larynx carcinoma) Homo sepiens cDNA clone 18	Homo sapiens mRNA for KIAA0707 protein, partial cds	7818H01 Chromosome 7 Fetal Brain cDNA Library Homo sapiens cDNA clone 7B18H01	Homo sapiens activator of S phase khase (ASK), mRNA	Homo saplens activator of S phase kinase (ASK), mRNA	yof 7g09.rf Scares adult brain N2b5HB55Y Homo sapiens cDNA clone IMAGE:178240 5	Homo expiens uncharacterized bone marrow protein BM039 (BM039), mRNA			601673686F1 NIH_MGC_21 Homo sapiens cDNA done IWAGE:3856517 6	Human fumarass pracursor (FH) mRNA, nuclear gene encoding mitochondrial protein, complete cds	qb80h02.x1 Sogres_fetal_heart_NbHH19W Home sapiens cDNA clone IMAGE:1706451 3'	Homo sapiens Ran GTPesse activating protein 1 (RANGAP1), mRNA	601149486F1 NIH_MGC_19 Hamo septens cDNA ctone IMAGE:3502245 5'	601172858F1 NIH_MGC_17 Hamo saplens cDNA clane IMAGE:3528134 57	Homo sapiens chromosome 21 segment HS21C002	Homo sapiens potassium channel subunit (HERG-3) mRNA, complete ods	Homo sapiens fatty-ecid-Coenzyme A ligase, long-chain 4 (FACL4) mRNA	Homo saplens attractin precursor (ATRN) gene, expn 16	Homo saplens attractin precursor (ATRN) gene, exon 16	Homo sapiens PDZ domain-containing guanine nucleotide exchange factor I (LOCS1735), mRNA	Homo sapiens phosphatidylinositid 3 kinase, class 2, alpha polypeptide (PIK3C2A) mRNA	Home sapiens hypothetical protein FLJ10488 (FLJ10488), mRNA	Homo saplens hypothetical protein FLJ10488 (FLJ10488), mRNA	Homo sapiens SH3-domain GRB2-like 2 (SH3GL2), mRNA	Homo sapiens SH3-domain GRB2-like 2 (SH3GL2), mRNA
Top Hit Databese Source	NT	. IN	N	ΝT	NT	NT.	<b>EST_HUMAN</b>	EST_HUMAN	NT.	EST_HUMAN	¥	LN.	EST_HUMAN	LN.	EST_HUMAN	EST_HUMAN	EST_HUMAN	ΤŃ	EST_HUMAN	NT	EST_HUMAN	EST HUMAN	LN	N	IN	NT	NT	IN	IN	NT	LN	NT	Z
Top Hit Acession No.	AB033768.1	5031810 NT	5031810 NT	4B017007.1	4B017007.1	104469.1	3E886873.1	4,1403124.1	4B014607.1	A077498.1	11419210 NT	11419210 NT	146698.1	TN 9602268				JES309.1	3.0E-98 AI159975.1	11418177 NT	3E261694.1	3E204281.1	2.0E-98 AL163202.2	2.0E-98 AF032897.1	4758331 NT	AF218902.1	4F218902.1	7708512 NT	4606798 NT	11431271 NT	11431271 NT	11428813 NT	11428813 NT
Most Similar (Top) Hit BLAST E Value	8.0E-98	8.0E-98	8.0E-98	8.0E-98 ABO	8.0E-98 ABO	8.0E-98 J044	6.0E.98 BE8	3.0E-98 AJ40	3.0E-98 ABO	3.0E-08 AA07	3.0E-98	· 3.0E-98	3.0E-08 H46698.1	3.0E-88	3.0E-88	3.0E-98	3.0E-88 BESC	3.0E-88 U53309.1	3.0E-98	3.0E-98	2.0E-98 BE2	2.0E-08 BE20	2.0E-98	2.0E-98	2.0E-98	2.0E-98 AFZI	2.0E-88 AF21	2.0E-98	2.0E-98	2.0E-98	2.0E-98	2.0E-98	2.0E-98
Expression Signal	0.93	1.1	1.1	2.79	2.79	6.45	96'0	135	2.1	5.04	1.89	66.1	4.07	0.54	1.82	1.82	0.89	2.56	222	3.01	18.0	4.06	2.24	0.82	4.23	1.39	1.39	4.76	1.7	125	125	444	4.44
ORF SEQ ID NO:	27631	27825	27826	28009	28010	30022	32732	28508	28910		33602	33603	35571	36115	36726	36727	37330	37899	38504		26980	28399	28578	30538	30577	31052	31053	31708	33347	34348	34349	35426	35427
Exan SEQ ID NO:	14557	14743	14743	14914	14914	17055	19382	15380	15783	15921	20179	20179	22030	22553	23125	23125	23724	24264	24808	25739	13935	15277	15443	17553	17589	·18078	18078	18691	19948	20857	20857	21886	21886
Probe SEQ ID NO:	1403	1591	1591	1765	1765	3886	6207	2247	2873	2807	2802	7085	8951	9497	10087	10087	10691	11195	11819	13138	754	2141	2311	4411	4459	4948	4948	2492	6783	7801	7801	8807	8807

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Top Hit Descriptor	Homo septens GAP-like protein (LOC51306), mRNA	Homo septens polycystic kidney disease (PKD1) gene, exons 27-30	Homo septens polycystic kidney disease (PKD1) gene, exons 27-30	H. saplens mRNA for estrogen receptor	Homo capiens ankyrin-Ike with transmembrane domains 1 (ANKTIM), mRNA	Homo sepiens NDST4 mRNA for N-deacety/asse/N-sulforansferase 4, complete cds	Homo sapiens lodestar protein mRNA, complete cds	Homo sapiens lodestar protein mRNA, complete eds	Homo sepiens inostital 1,4,5-triphosphate receptor, type 1 (ITPR1), mRNA	Homo sapiens inosital 1,4,5-triphosphate receptor, type 1 (ITPR1), mRNA	Homo sapiens BH3 Interacting domain death agonist (BID), mRNA	Homo sepiens UDP-glucosecglycoprotein glucosyltrænsferase 1 (HUGT1), mRNA	Homo statiens UDP-glucoseglycoprobain glucosyltransferase 1 (HUGT1), mRNA	H.sapiens IMPA gene, excn 8	Homo sepiens T cell receptor beta locus, TCRBV7SSA2 to TCRBV12S2 region	801513157F1 NIH_MGC_71 Homo sepiens cDNA clone IMAGE:3914391 5	Human E2A/HLA fusion protein (E2A/HLF) mRNA, complete cds	xp08e06x1 NCI_CGAP_HN9 Homo saplens cDNA clane IMAGE:2738874 3' similar to gb:M31212 MYOSIN	LICITI CHARIN ALIVALI, NON-MUSCLE ISOPORM (HUMAN);	Human Ku (prupeu) subunit mikuki, complete cds	Homo septems short chein L-3-hydraxyscyl-CoA dehydrogenass precursor (HADHSC) gene, nuclear gene	Homo sapiens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete cds	zb46d06.r1 Scares, fetal jung NbHL19W Homo sapiens cDNA clone IMAGE:306635 5' similar to gb:M16182 BETA-GLUCURONIDASE PRECURSOR (HUMAN);	yi81b09.rf Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:145825 57	Homo sapiens myosin X (MYO10) mRNA, complete cds	Homo sapiens potassium channel, subfamily K, member 10 (KCNIK10), mRNA	Homo sapiens intersectin long Isoform (ITSN) mRNA, complete cds	Homo sapiens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA	Human Ku (p70p80) subunit mRNA, complete cds	Homo saplens truncated Niemann-Pick C3 protein (NPC3) mRNA, complete cds	Hamo saptens truncated Niemann-Pick C3 protein (NPC3) mRNA, complete cds	Homo sapiens FK508-binding protein 6 (36kD) (FKBP6) mRNA, and translated products
Top Hit Database Source		IN IN	¥	Į.		¥	IN LN	I LN						LZ LZ	- E	EST_HUMAN 6			ESI HUMAN		<u>+ •</u>	Z.	EST HUMAN 9	EST_HUMAN y	Г		¥		H			
Tap Hit Acessian Na.	7706136 NT	10.1	10.1		6601589 NT	6.0E-99 AB036429.1	,	6.0E-99 AF080255.1	11431894 NT	11431994 NT	11526299 NT	DS-10279 NT	9910279 NT		19680.1	5.0E-99 BE890177.1			5		2.0E-89 AF095703.1	2.0E-69 AF257737.1		54.1	7457.2	10863960 NT	4487.1	11526150 NT	138.1	1.0E-09 AF192523.1	1.0E-99 AF192523.1	4503730 NT
Most Similar (Top) Hit BLAST E Value	6.0E-99	6.0E-99 L436	6.0E-99 L436	6.0E-89 X89101.1	6.0E-99	6.0E-99	6.0E-99	6.0E-99	6.0E-99	6.0E-99	8.0E-99	6.0E-89	6.0E-89	5.0E-89 Y11365.1	5.0E-09 AF00	5.0E-99	3.0E-99 M95586.1	20.0	2.05-597	Z.UE-69 M30938.1	2.0E-09	2.0€-99 4	2.0E-99 W23	2.0E-99 R782	2.0E-99 AF24	20E-89	1.0E-89 AF11	1.0E-99	1.0E-89 M309	1.0E-99 A	1.0E-99 A	1.0E.99
Expression Signal	0.94	0.74	0.74	1.85	0.59	2.67	7.6	7.6	0.59	0.59	3.15	202	202	1	1.81	249	4.95	8	8 3	\$:	1.82	0.76	10.79	0.75	3.16	1.64	1.48	1.75	3.61	1.16	1.18	짇
ORF SEQ ID NO:	33280	33376	33377	34899	34921	35586	35688	35889	35744	35745	37674	37553	37554	28268	30809				20532	77087	30787	34410	35523	35986	38085	38767	26571	26632	27684	27819	27820	28224
Ebon SEQ ID NO:				21378			22143		22202			23928	23928	15183	17821	25346	21597	44476	16504	300	17800	20906	21983	22428	24428	25061	13539	13596	14605	14739	14739	16123
Probe SEQ ID NO:	6732	6846	6816	8238	8314	8964	9064	9064	9123	9123	10958	11742	11742	2022	4686	12502	8516	4700	933	33	4665	7851	8904	8383	11367	12081	326	390	1432	1587	1587	1980

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Probe SEO ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similer (Top) Hit BLAST E Vatue	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
1980	15123	28225	121	1.0E-99	4503730 NT	ΝĪ	Homo sapiens FK508-binding protein 6 (36kD) (FKBP6) mRNA, and translated products
3154	16329	20330	0.93	1.0E-99	J03171.1	М	Human Interferon-alpha receptor (HulFN-alpha-Rec) mRNA, complete cds
4489		30621	2.64	1.0E-99 AF0	AF098018.1	NT	Homo sapiens fathy acid emide hydrolase (FAAH) gene, excn 14
4489		30622	2.64	1.0E-99	1.0E-89 AF098018.1	M	Homo saplens fatty acid amide hydrolase (FAAH) gene, exon 14
6943		33694	1.25	1.0E-99	11421007 NT	M	Homo sapiens glycine receptor, alpha 2 (GLRA2), mRNA
6943	20258	33695	1.25	1.0E-69	11421007 NT	MT	Homo sapiens glydine receptor, elpha 2 (GLRA2), mRNA
7289		33827	184	1.0E-89 X980	X98022.1	¥	H.sapiens E8-AP gene exon 2
9400	22474		0.75	1.0E-99	11419721 NT	MT	Homo sapiens ALEX1 protein (LOC51309), mRNA
9720	22785	36356	21	1.05-99	1.0E-99 AW340174 1	EST HUMAN	hdoZh02xt Sogres_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2908371 3' sintilar to TR:O02711 002711 PRO-POL-DUTPASE POLYPROTEIN:
11403	L	38128	2.56	1.0E-99		7427514 NT	Homo sapiens huntingen interacting protein 1 (HIP1), mRNA
11403		38120	2.66	1.0E-00		¥	Homo sapiens huntingen interacting protein 1 (HIP1), mRNA
11462		38191	1.68	1.0E-99	5901979 NT	Ę	Homo sapiens heet shock transcription factor 2 binding protein (HSF2BP), mRNA
11659	24738	38429	2.83	1.0E-99 AB0	2322.1	F	Homo saplens mRNA for KIAA1005 protein, partial cds
11996	24981	38687	2.45	1.0E-99	11417191 NT	٦	Homo sapiens leucy/cystiny/ aminopeptidese (LNPEP), mRNA
			!				Homo saplens glutatitione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1)
12257			23.	1.0E-99 AF2	AF240786.1	Ā	genes, complete cds
1	13241	26241	1.7	1.0E-100		NT	Hamo sapiens chromosome 21 segment HS210047
7		26241	291	1.0E-100	1.0E-100 AL 163247.2	M	Hamo sapiens chromosame 21 segment HS210047
2		26329	1.62	1.0E-100	11418Z30 NT	NT	Homo sapiens Testis-specific XK-related protein on Y (XKRY), mRNA
70		26330	1.62	1.0E-100	11418230 NT		Homo seplens Testis-specific XX-related protein on Y (XXRY), mRNA
88	13324	26353	<b>28</b> '0	1.0E-100 AW	AW275237.1	EST_HUMAN	xv78b11.x1 NCI_CGAP_Bm53.Homo sapiens cDNA clone IMAGE:2824805 3'
173		26425	0.89	1.0E-100	3206.2		Homo sapiens chromosome 21 segment HS21C008
327		26573	1.84	1.0E-100 AL16	.2	INT	Homo saplens chromosome 21 segment HS21C049
353	13564	26292	1.87	1.0E-100	1.0E-100 T05087.1	EST HUMAN	EST02975 Fetal brain, Stratagene (cat#836208) Homo saplens cONA clone HFBCR32
							Homo sapiens X-tinked anhidroitic ectodermal dysplasia protein gene (EDA), excn 2 and flanking repeat
450			224	1.0E-100 AFOC	3528.1	NT	regions
505			5.88	1.0E-100 X896		LN	G.gorilla DNA for ZNF80 gene homolog
622	13716	26742	121	1.0E-100	1.0E-100 BE180609.1	EST_HUMAN	RC3-HT0625-040500-022-b09 HT0625 Homo expiens cDNA
1044	14210	27266	4.57	1.0E-100	TN 2891885 NT	TN	Homo sapiens DKFZP596M0122 protein (DKFZP586M0122), mRNA
1044		27267	4.57	1.0E-100	7661685 NT		Homo saplens DKFZP586M0122 protein (DKFZP586M0122), mRNA
1577	14730		1.3	1.0E-100	1.0E-100 AW 207655.1	EST_HUMAN	UHH-BI1-eft-c-07-0-ULs1 NCI_CGAP_Sub3 Homo sapiens cDNA clone IMAGE:2722164 3'
1681	14733	27814	8.1	1.0E-100 AIZO	AI200857.1	EST_HUMAN	qf62f09.x1 Soares_testis_NHT Homo sepiens cDNA clone IMAGE:1754633 3' similar to SW:CYT_COTJA P81061 CYSTATIN;

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				Γ		П						Τ	Γ	Γ		Г		П		Γ	Γ			П								Π
Single Extra Figure 11 Facella	Top Hit Descriptor	Ret mRNA for short type PB-cadherin, complete cds	H.sapiens mRNA for IRV-gamma (pKC-0)	Homo sapiens KIAA0957 protein (KIAA0957), mfNA	Homo sapiens RGH2 gene, retrovirus-like element	Home sapiens myotubularh-related protein 1a mRNA, partial cds	Homo sapiens foliide sümulating hormone receptor (FSHR) mRNA	Homo saplens small optic lobes (Drosophila) homolog (SOLH) mRNA	Homo sapiens small optic lobes (Drosophila) homolog (SOLH) mRNA	601863164F1 NIH_MGC_67 Hamo sapiens cDNA clane IMAGE:4080899 5	xe82f01.x1 NCI_CGAP_CML1 Homo sapiens cDNA clone IMAGE:2573305 3' striiter to gb:X12433 PROTEIN PHPS1-2 (HUMAN);	AU118182 HEMBA1 Homo sapiens cDNA clone HEMBA1003048 5	Homo seplens NF-E2-related factor 3 gene, complete cds	Human mRNA for plasma inter-elpha-trypsin inhibitor heavy chain H(3)	Homo sapiens ER to nucleus signalling 1 (ERN1) mRNA	Homo sapiens ER to nucleus eignetling 1 (ERN1) mRNA	AU140214 PLACE2 Hamo sepiens aDNA dane PLACE2000137 6	y(38c08.s1 Sogres fetal liver spleen 1NFLS Hamo sapiens cDNA clane IWAGE:129134 3'	Homo sapiens Rho GTP ase activating protein 6 (ARHGAP6), transcript variant 4, mRNA	ae33b06.r1 Gessler Wilns fumo Homo sepiens CDNA done IMAGE:897587 \$\( \text{similar to TR:G487418} \) G487418 ACTIN FILAMENT-ASSOCIATED PROTEIN :	ae33b08.r1 Gessler Wilms furnor Horno sepiens cDNA olone IMAGE:897587 5' similar to TR:0487418	G487418 ACTIN FILAMENT-ASSOCIATED PROTEIN;	MR1-TN0048-060600-004-b05 TN0046 Hamo sepiens cDNA	MR1-TN0046-060900-004-b05 TN0046 Homo saplens cDNA	Human mRNA for kidney epidermal growth factor (EGF) precursor	601647357F1 NIH_MGC_61 Homo sepiens cDNA clone IMAGE:3931310 5	Homo saplens chromosome 21 segment HS21C003	AU116951 HEMBA1 Homo sepiens cDNA clane HEMBA1000343 5	AU/16951 HEMBA1 Hamo sapiens cDNA clane HEMBA1000343 5	Homo sapiens mRNA for KIAA1485 protein, partial cds	wr37g09.xt NCI_CGAP_Pr28 Homo espiens cDNA clone IMAGE:2489820 3' similar to contains element MFR22 repetitive element ;	PAAD-BN0065-100300-001-c08 BN0066 Homo sepiens cDNA
	Top Hit Database Source	TN	IN	NT	NT	LN	TN	NT	NT	EST_HUMAN	EST HUMAN	EST HUMAN	NT.	E	NT	Z	EST_HUMAN	EST_HUMAN	Ę	EST HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	IN	EST HUMAN	TN	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN
Sirigi	Top Hit Acesslon No.	<b>J83349.1</b>	(62468.1	11418976 NT		1.0E-100 AP057354.1	4503792 NT	5032104 NT	5032104 NT	1.0E-100 BF244218.1	W075983.1		351181	(14690.1	4557568 NT	4557568 NT	4021	310887.1	7382479 NT	14496841.1		1.0E-100 AA496841.1	1.0E-100 BF376478.1	1.0E-100 BF378478.1	(04571.1	3F103853.1	1.0E-100 AL163203.2	VU116951.1	10116951.1	1.0E-100 AB040918.1	1.0E-100 AI972388.1	1W998611.1
	Most Similar (Top) Hit BLAST E Value	1.0E-100 D83349.1	1.0E-100 X62468.1	1.0E-100	1.0E-100 D11078.1	1.0E-100/	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100 AW	1.0E-100 AU	1.0E-100/	1.0E-100 X14690.1	1.0E-100	1.0E-100	1.0E-100 AU1	1.0E-100 R10887.1	1.0E-100	1 0E-100 AA4		1.0E-100	1.0E-100	1.0E-100	1.0E-100 X04571.1	1.0E-100 BF1	1.0E-100	1.0E-100 AU1	1.0E-100 AU	1.0E-100	1.0E-100	1.0E-100 AW
	Expression Signal	1.14	1.41	2.6	6.55	1.67	2.28	3.01	3.01	1.74	0.76	1.45	1.78	0.85	6.0	6.0	5.62	1.36	1.77	1 92		1.02	1.18	1.18	6.2	3.53	5.59	0.47	. 0.47	3.88	1.85	2.28
	ORF SEQ ID NO:		28754	28996		30456	30474	31291	31292	31578	31883			32461	32817	32818	33174	33384	33663	33638			83583	33584	33591			35837		82098		34588
	SEQ ID NO:	15447	15634		16259	17469	17494	18323	18323	18606	18819	19008	10054	19146	19465	19465	19786	19977	20223	2020		20210	20162	1	20168	21809	21845		22294			21076
	Probe SEQ ID NO:	2315	2507	2774	3083	4328	4351	6202	5202	5404	\$625	<b>5818</b>	2888	09 98	2828	2829	98 98 98	6824	8069	288		888	2020	7028	7033	8729	8766	8216	9216	9433	9510	9633

Page 435 of 550 Table 4 Single Exon Probes Expressed in Placenta

	Top Hit Descriptor	piens cDNA done NT2RP2001918 5	A1626 protein, partial cds	A1626 protein, partial cds	1 Homo capiens Curva done Invider 2009398 5	1 Homo septems CUNA Garle IMAGE-4156165 5	Amb sapiens curve dans living.	IS HERV-K, pot gene	11 BN0070 Hamo expirate constant		4 complete eds: and unlown gene	Cognic complete and unknown dene	do gene, compress was, an arranged to gene compress was, and arranged to general to gene	21 segment H3Z1VV*/	otein (GLP) gene, complete was	axon 12	Homo sapiens gridethione Stransferase them 2 (53112) and general spiral gridethione Stransferase them 2	24 Homo sapiens cDNA clone IMAGE: 3' similar to TR:Q21997 Q21997	JA08;	binding protein 1 (SK3BP1), mRNA	ene product (KIAAGUES), metric	min II; macrocytic anearta ( I CNZ), interest in the state of the stat	Derewisiae) Tike Z (SEC) 14LZ), IIII C.	cerewisias)-like 4 (al. oli m.e.), iii.	MANUTA NAVO MRNA	rd homesous (vives) misus	Ind Rollings (Vive.), And BRCT domain (PESI), mRNA	Action of the second se	osygochamica juniyasa sasasa garanga sasasa sasasa sasasa sasasa (GART) mRNA	abla myosin heavy chain gene	83 Homo sapiens cDNA clone IMAGE:1843336 3	T GBC SI Hamo septem Color Care	n, subfamily 2, member A I (D I VZA I A III)	
	Top Hit Descriptor	ALH27720 NT2RP2 Homo sapiens cDNA clone NT2RP2001918 5	Homo sepiens mRNA for KIAA1626 protein, partial cds	Homo saplens mRNA for KIAA1626 protein, partial cds	83c11.y1 NCI_CGAP_OUT Hamo capiens CUNA CIONE INVICE: 2069398 5	83c11. M NCI CGAP GU1 Hamo septems cunna dans IMAGE-415616	802020664F1 NCL CGAP Bm67 Homo sapiens clury done intro-	Human endogenous retrovirus HERV-K, por gene	MRO-BN0070-270300-008-h11 BN0070 Hamo Explans COL	H.sepiens CD97 gene excn 4	H. sapiens CD97 gans 600 4	Homo sapiens 14q32 Jaggedz gene, cumpiose cust	Homo septens 14432 Jaggard gene, compress was, and and and and and and and and and and	Homo sapiens chromosome 21 segment H3210047	Homo sepiens goldin-like protein (GLP) gene, complete was	Homo sapiens clase gene, exan 12	omo sapiens glutathione S-transferase theta 2 (53112) and gramman	genes, complete cds	Agentus 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Homo saplens SH3-domain binding protein 1 (SH3BP1), mRNA	Homo sapiens KIAA0063 gene product (KIAA0063), mravA	Homo sepiens transcobalamin II; macrocyto anemia ( ICNZ), marva.	Homo sapiens SEC14 (S. cerewistee) Tike 2 (SEC14L2), III. C.	Homo sapiens SEC14 (S. cerewisiae) like Z (SEC1144), in the second secon	Homo saplens mRNA for Kind Homes, p. 10/0/20 mRNA	Homo sapiens ventral entertor nometato AVXX) mRNA	Homo saplens ventral antendr from the work (VEST), mRNA Homo saplens ventral antendr (PEST), mRNA	Homo espiens pescadiiro (centrari) iremos iremos prospinaribos	Homo sepiens phosphoribosygychramide juniyus and a family a family and a family a family and a family and a family and a family and a family and a family and a family and a family and a family and a family and a family and a family a family and a family and a family and a famil	phosphoritosylaminomicazue symmetrica phosphoritosylaminosylam	602156474F1 NIH_MGC_83 Homo sepiens cDNA clone IMAGE-1843336 3	9999609.x1 Sogres_NFL_T_CBC_S1 Hamo septems Color Color (1999)	Homo sapiens butyrophilin, subfamily 2, member A1 (D1142).	
Single Exon Process	Top Hit Deterbese Source	Т	NAMOU I		H HIMAN	ì	1		T HUMAN	Г								<b>E</b>		HOMAIN										Ę	T HUMAN	T	5921460 NT	
Single	Top Hit Acession No.		720.1	046846.1 NT	T.	T	2407	218.1				5	44.70.9		T					1.0E-100 BF446549.1 ES	76/6HCLL	11418123INI	7440744 NT	7410714 INT	1.0E-101	734	7110734 NT	7657454 NT		4503914 NT	Z20656.1	1.0E-101 BF081210.1	1.0E-101 AEZ-10/0.1	
	<u> </u>	Velue	1.0E-100 AU127	1.0E-100 AB046846.1	1.0E-100 AB040840.1	1.0E-100 AW630467.1	1.0E-100 AW630487.1	1.0E-100 Br 34	4 OE 400 RE927292.1	4 OF 400 YOAR33 1	1.0E-100 APPARS 1	1.05-100	ייים אייים.	1.0E-100 Ar-1	1.0E-100 ALTOSZ47.4	1.0E-100 At-266285.1	1.0E-100 AJ131034:1	1.0E-100 AF240786.1		1.0E-100B	1.0E-100	1.0E-100	1.0-100	1.00-101	1.05-101	1.0E-101	1.0E-101	1	1.02-10.1					1.00-10.0
	Expression (		0.84	2.17	2.17	1.81	1.81	0.64	1.35	20.0	1.50	8	3.84	3.01	3.07	221	1.83	7.59		1.78	4.97	1.31	6.91	0.92	0.82				1.37	1.35				1.44
	ORF SEQ E		-	36400	36401	36687	36688	37827		37708	38300	38301				L	38812	00000			32063		31935						1 27023	27117		Ŀ		
		Ö	27738	22822	22822	23086	23086	23721		24075	24619	24619	_	1_	L	L	L	1	ŽĮ.	28087	L	1_	۱.	<u> </u>	79 13315	1_		13904	792 13971	978 44052	L	١.		Ш
	1 0	ö	70867	9782	0782	10048	10048	10688	10782	10996	11664	11384	11635	11635	44665	11977	12128		1217	42242	42403	12754	13185	8		7	722		, F		٩	1009	107	<u>ا</u>

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Table 4
Single Exon Probes Expressed in Placenta

Percent   Earn   Percent					_			
14767         Z7850         1.44         1.0E-101         \$621460         NT           14834         Z8028         1.57         1.0E-101         7682183         NT           14834         Z8029         1.57         1.0E-101         7682183         NT           14834         Z8029         1.57         1.0E-101         7682183         NT           15254         Z8247         2.07         1.0E-101         862380         NT           15266         Z8630         1.2         1.0E-101         862380         NT           15816         Z8025         8.27         1.0E-101         AZ37744.1         NT           15816         Z8026         9.27         1.0E-101         AZ37744.1         NT           16916         Z8026         3.59         1.0E-101         AZ37744.1         NT           16916         Z8026         3.59         1.0E-101         AZ37744.1         NT           16916         Z8028         3.59         1.0E-101         AZ37744.1         NT           16916         Z8028         3.59         1.0E-101         AZ37744.1         NT           16916         Z8028         3.59         1.0E-101         AZ37744.1         <			DRF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
14824         28028         1.57         1.0E-101         7682183         NT           14834         28029         1.57         1.0E-101         7682183         NT           15254         28247         2.07         1.0E-101         BEA3070-1         EST HUMAN           16025         28037         2.07         1.0E-101         BEA3270-1         IST HUMAN           16002         28040         1.2         1.0E-101         AL237744.1         NT           16916         28026         8.27         1.0E-101         AL237744.1         NT           16916         28026         3.59         1.0E-101         AL237744.1         NT           16916         28028         3.59         1.0E-101         AL237744.1         NT           16826         31230         1.14         1.0E-101         AL237744.1         NT           18269         31230         1.14         1.0E-101		14767	27850	1.44	1.0E-101	5921460	NT	Homo sapiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA
14634         28029         1.57         1.0E-101         7682183         NT           16140         28247         2.07         1.0E-101         4602896         NT           16254         28373         2.76         1.0E-101         BE843070.1         EST_HUMAN           16800         28830         1.2         1.0E-101         X72893.1         NT           16916         28025         8.27         1.0E-101         X72893.1         NT           16916         28025         8.27         1.0E-101         X72893.1         NT           16916         28025         8.27         1.0E-101         X72893.1         NT           16947         28467         2.97         1.0E-101         XA2527744.1         NT           16948         29026         3.59         1.0E-101         XA2527744.1         NT           16948         29026         3.59         1.0E-101         XA252774.1         NT           16948         31239         1.0E-101         AA252774.1         NT           16859         31240         1.0E-101         AA252774.1         NT           18269         31240         1.0E-101         AA25765.1         EST HUMAN		14934	28028	1.57	1.0E-101	7662183	1N	Homo sapiens KUAA0569 gene product (KIAA0569), mRNA
1674 (4)         28247         2.07         1.0E-101         BE843070.1         EST_HUMAN           16254         28373         2.76         1.0E-101         BE843070.1         EST_HUMAN           16062         28680         1.2         1.0E-101         572883         NT           15810         28017         462         1.0E-101         AL237744.1         NT           16916         28025         8.27         1.0E-101         AL237744.1         NT           16940         28047         2.97         1.0E-101         AL237744.1         NT           16940         28026         3.59         1.0E-101         AL2537744.1         NT           18269         31230         1.14         1.0E-101         AL2537744.1         NT           18269         31230         1.14         1.0E-101         AL2537744.1         NT           18269         31230         1.14         1.0E-1		14934	28029	1.57	1.0E-101	7662183	TN	Homo sapiens KIAA0569 gene product (KIAA0569), mRNA
16254         28373         2.76         1.0E-101         BE843070.1         EST_HUMAN           16062         28680         1.2         1.0E-101         5728682         NT           15800         28917         4.62         1.0E-101         AJ237744.1         NT           15816         28025         8.27         1.0E-101         AJ237744.1         NT           16916         28026         20.16         1.0E-101         AJ237744.1         NT           16916         28026         3.69         1.0E-101         AJ237744.1         NT           16916         28025         3.69         1.0E-101         AJ237744.1         NT           16916         28026         3.69         1.0E-101         AJ237744.1         NT           16916         28025         3.69         1.0E-101         AJ237744.1         NT           16916         28026         3.69         1.0E-101         AJ237744.1         NT           18269         31239         1.14         1.0E-101         AB022786.1         EST_HUMAN           18269         31239         0.6         1.0E-101         AB022786.1         INT           18269         31337         0.6         1.0E-101		15140	28247	2.07	1.0E-101		TN	Homo sapiens carboxypeptidase A1 (pancreatio) (CPA1) mRNA
16062         28680         1.2         1.0E-101         \$729632 NT           15916         28917         4.62         1.0E-101         X72963.1         NT           15916         28025         8.27         1.0E-101         AL237744.1         NT           15916         28026         9.27         1.0E-101         AL237744.1         NT           16916         28026         9.27         1.0E-101         AL237744.1         NT           16447         29467         2.0.16         1.0E-101         AL237744.1         NT           16446         29026         2.0.16         1.0E-101         AL237744.1         NT           16446         29026         3.69         1.0E-101         AL262774.1         NT           16836         29026         3.69         1.0E-101         AL287744.1         NT           17138         30142         3.81         1.0E-101         AL287744.1         NT           18269         31229         1.0E-101         AL287744.1         NT         NT           18269         31229         1.0E-101         AL287744.1         NT         NT           18269         31229         1.0E-101         AL287512.NT         NT		15254	28373	2.70	1.0E-101	13070.1	EST_HUMAN	RC3-ST0281-160600-016-h09 ST0281 Homo sapiens cDNA
15800         28917         4.62         1.0E-101   X72933.1         NT           15916         29025         8.27         1.0E-101   AJ237744.1         NT           16916         29025         8.27         1.0E-101   AJ237744.1         NT           16186         20.16         1.0E-101   AJ237744.1         NT           16447         22467         2.37         1.0E-101   AJ237744.1         NT           16516         20026         3.69         1.0E-101   AV085568.1         EST_HUMAN           16269         3.1240         1.14         1.0E-101   AV865139.1         EST_HUMAN           18269         3.1245         4.07         1.0E-101   AV865139.1         EST_HUMAN           18803         3.2646         4.07         1.0E-101   AF269070.1         NT           18804         3.2646         4.07         1.0E-101   AF269070.1         NT           20548         3.4019         4.22         1.0E-101   AF269070.1		16062	28680	1.2	1.0E-101		NT	Homo septens A kinase (PRKA) anchor protein 6 (AKAP6), mRNA
15916         29025         9.27         1.0E-101         AJ237744.1         NT           16916         29026         9.27         1.0E-101         AJ237744.1         NT           16196         20.16         1.0E-101         AJ237744.1         NT           16447         29467         2.97         1.0E-101         AJ252312.1         NT           16536         20.65         1.82         1.0E-101         AJ25231.1         NT           16536         20.65         1.82         1.0E-101         AJ25231.1         NT           16836         20.65         1.82         1.0E-101         AJ2527744.1         NT           15816         29026         3.69         1.0E-101         AJ237744.1         NT           158269         31239         1.14         1.0E-101         AJ237744.1         NT           18289         31239         1.14         1.0E-101         AJ237744.1         NT           18289         31239         1.14         1.0E-101         AJ237744.1         NT           18289         31239         0.8         1.0E-101         AJ237744.1         NT           18289         31337         0.8         1.0E-101         AJ237744.1		15800	28917	4.62	1.0E-101	93.1	NT	H.sapiens EWS gene, exon 5
16916         29026         9.27         1.0E-101         AJ2527744.1         NT           16196         20.16         1.0E-101         AJ252312.1         NT           16447         29467         2.97         1.0E-101         AB6227.1         EST HUMAN           16836         20654         1.82         1.0E-101         AW66556.1         EST HUMAN           16816         29026         3.69         1.0E-101         AW66556.1         EST HUMAN           15816         29026         3.69         1.0E-101         AW66556.1         EST HUMAN           15816         29026         3.69         1.0E-101         AW66556.1         EST HUMAN           18269         31239         1.14         1.0E-101         AB627744.1         NT           18269         31239         1.14         1.0E-101         AB627744.1         NT           18269         31239         1.14         1.0E-101         AB627460         NT           18269         31239         0.6         1.0E-101         AW661264.1         EST HUMAN           18309         32645         4.07         1.0E-101         AV27512         NT           20548         34019         4.07         1.0E-101	L	15916	29025	9.27	1.0E-101		TN	Homo sapiens RIBIIR gene (partial), excn 12
16196         20.16         1.0E-101         AJ252312.1         NT           16447         29467         2.97         1.0E-101         AB6527.1         EST HUMAN           16836         20654         1.82         1.0E-101         AB6327.1         EST HUMAN           16816         29026         3.69         1.0E-101         AN966556.1         EST HUMAN           15816         29026         3.69         1.0E-101         AL237744.1         NT           17138         30142         3.81         1.0E-101         AB237744.1         NT           18269         31239         1.14         1.0E-101         AB237744.1         NT           18269         31239         1.14         1.0E-101         AB237744.1         NT           18269         31239         1.14         1.0E-101         AB237744.1         NT           18269         31239         0.6         1.0E-101         AB221460         NT           18369         31337         0.6         1.0E-101         AV27512         NT           18305         32645         4.07         1.0E-101         AV27512         NT           20548         34019         4.22         1.0E-101         AV27512		15916	23026	9.27	1.0E-101		TN	Hamo sepiens RIBIIR gene (partial), excn 12
16447         29467         2.97         1.0E-101         488527.1         EST HUMAN           16836         20654         1.82         1.0E-101         BF035327.1         EST HUMAN           16816         29026         3.69         1.0E-101         AN968556.1         EST HUMAN           15816         29026         3.69         1.0E-101         AL237744.1         NT           17138         30142         3.81         1.0E-101         AB237744.1         NT           18269         31239         1.14         1.0E-101         AB237744.1         NT           18269         31239         1.14         1.0E-101         AB22785.1         NT           18269         31337         0.6         1.0E-101         AB22786.0         NT           18369         31337         0.6         1.0E-101         AB221460         NT           18369         32645         4.07         1.0E-101         AV27512         NT           18305         32645         4.07         1.0E-101         AV27512         NT           20540         3.2645         4.07         1.0E-101         AV27512         NT           20548         3.402         1.0E-101         AV27512		16196		20.15	1.0E-101	AJ252312.1	NT	Hamo sapiens genante downstream Rhesus box
16486         2.3         1.0E-101         BF035327.1         EST HUMAN           16836         20654         1.82         1.0E-101         AW086556.1         EST HUMAN           15916         29025         3.69         1.0E-101         AL237744.1         NT           17138         30142         3.81         1.0E-101         AB237744.1         NT           1786         31239         1.14         1.0E-101         AB237744.1         NT           18269         31239         1.14         1.0E-101         AB237744.1         NT           18269         31239         1.14         1.0E-101         AB237744.1         NT           18269         31239         1.14         1.0E-101         AB237744.1         NT           18369         3137         0.6         1.0E-101         AB221460         NT           18369         31337         0.6         1.0E-101         AV2561.0         NT           18305         32645         4.07         1.0E-101         AV2561.0         NT           18305         32646         4.07         1.0E-101         AV2561.0         NT           20548         34019         4.22         1.0E-101         AV2661.0		16447	29467	297	1.0E-101	4885270	NT	Homo sapiens gamma-glutamytransferase 1 (GGT1) mRNA
16836         20654         1.82         1.0E-101         AW0685568.1         EST_HUMAN           15916         29026         3.69         1.0E-101         AL237744.1         NT           17138         30142         3.81         1.0E-101         AB022785.1         NT           17869         31239         1.14         1.0E-101         AB022785.1         NT           18269         31239         1.14         1.0E-101         AB022785.1         NT           18369         31337         0.6         1.0E-101         BE812654.1         EST_HUMAN           18369         31337         0.6         1.0E-101         AW08265.1         EST_HUMAN           18369         31337         0.6         1.0E-101         AW08265.1         EST_HUMAN           18305         32645         4.07         1.0E-101         AV27512         NT           18305         32646         4.07         1.0E-101         AV27512         NT           20548         34019         4.22         1.0E-101         AF208070.1         NT           20548         34020         4.22         1.0E-101         AF208070.1         NT           20548         34020         4.22         1.0E-	<u> </u>	16486		23	1.0E-101	BF035327.1	EST_HUMAN	601458531F1 NIH_MGC_66 Hamo septems cDNA clone IMAGE:3862086 5'
15616         29025         3.69         1.0E-101         AJ237744.1         NT           15816         29026         3.59         1.0E-101         AJ237744.1         NT           17138         30142         3.81         1.0E-101         AB022785.1         NT           18269         31239         1.14         1.0E-101         BE921460         NT           18369         31337         0.6         1.0E-101         BE922460         NT           18369         31337         0.6         1.0E-101         BE912654.1         EST_HUMAN           18369         31337         0.6         1.0E-101         AW865139.1         EST_HUMAN           18305         32645         4.07         1.0E-101         AV27512         NT           18305         32646         4.07         1.0E-101         AV27512         NT           18306         32646         4.07         1.0E-101         AV27512         NT           20500         1.22         1.0E-101         AV27512         NT           20548         34.02         1.0E-101         AV27512         NT           20548         34.02         1.0E-101         AV20807.1         NT           20548<		16835	20654	1.82	1.0E-101	AW065556.1	EST_HUMAN	EST377629 MAGE resequences, MAGI Homo capiens cDNA
15916         28026         3.56         1.0E-101         AJ237744.1         NT           17138         30142         3.81         1.0E-101         AB022785.1         NT           18269         31239         1.14         1.0E-101         BE921460         NT           18289         31335         0.6         1.0E-101         BE921460         NT           18369         31337         0.6         1.0E-101         BE912664.1         EST_HUMAN           18369         31337         0.6         1.0E-101         AW965139.1         EST_HUMAN           18305         32645         4.07         1.0E-101         AV26512         NT           18305         32646         4.07         1.0E-101         AV27512         NT           18306         32646         4.07         1.0E-101         AV27512         NT           19807         33646         4.07         1.0E-101         AV27512         NT           20548         34019         4.22         1.0E-101         AV27512         NT           20548         34020         4.22         1.0E-101         AV27612         NT           20549         34020         4.22         1.0E-101         AV27612<	L	15916	29025	3.69	1.0E-101	AJ237744.1	NT	Homo sapiens RIBIIR gene (partial), excn 12
17138         30142         3.81         1.0E-101         AB022785.1         NT           18269         31239         1.14         1.0E-101         5921460         NT           18289         31335         0.6         1.0E-101         BE812664.1         EST_HUMAN           18369         31337         0.6         1.0E-101         BE812654.1         EST_HUMAN           18363         31611         1.94         1.0E-101         AW865139.1         EST_HUMAN           18305         32645         4.07         1.0E-101         AW865139.1         EST_HUMAN           18305         32646         4.07         1.0E-101         AV27512         NT           19807         32646         4.07         1.0E-101         AV27512         NT           20500         1.22         0.86         1.0E-101         AV27512         NT           20548         34019         4.22         1.0E-101         AF208970.1         NT           20548         34020         4.22         1.0E-101         AF208970.1         NT           20549         34620         4.22         1.0E-101         AF208970.1         NT           20548         34620         4.22         1.0E-101 </td <td></td> <td>15916</td> <td>23028</td> <td>3.59</td> <td>1.0E-101</td> <td>AJ237744.1</td> <td>L</td> <td>Homo sapiens RIBIIR gene (partial), excn 12</td>		15916	23028	3.59	1.0E-101	AJ237744.1	L	Homo sapiens RIBIIR gene (partial), excn 12
18269         31239         1.14         1.0E-101         5921460         NT           18269         31240         1.14         1.0E-101         BE612654.1         EST_HUMAN           18369         31337         0.6         1.0E-101         BE612654.1         EST_HUMAN           18363         31337         0.6         1.0E-101         AW865139.1         EST_HUMAN           18305         32645         4.07         1.0E-101         AV27512         NT           18306         32646         4.07         1.0E-101         AV27512         NT           18306         32646         4.07         1.0E-101         AV27512         NT           20500         1.22         0.96         1.0E-101         AV27512         NT           20548         34019         4.22         1.0E-101         AF208070.1         NT           20548         34020         4.22         1.0E-101         AF208070.1         NT           20548         34020         4.22         1.0E-101         AF208070.1         NT           20549         34650         1.0E-101         AF208070.1         NT           20558         34650         0.76         1.0E-101         AF208070.1		17138	30142	3.81	1.0E-101		NT	Horno sapiens ASHZL gane, complete cds, similar to Droscphila ash2 gene
18269         \$1240         1.14         1.0E-101         \$9921460         NT           18369         31335         0.6         1.0E-101         BE612654.1         EST_HUMAN           18369         31337         0.6         1.0E-101         AW965139.1         EST_HUMAN           18305         32645         4.07         1.0E-101         AW965139.1         EST_HUMAN           18305         32646         4.07         1.0E-101         AV27512         NT           18306         32646         4.07         1.0E-101         AV27512         NT           20500         1.28         1.0E-101         AV27512         NT         NT           20548         34019         4.22         1.0E-101         AF208970.1         NT           20548         34019         4.22         1.0E-101         AF208970.1         NT           20548         34020         4.22         1.0E-101         AF208970.1         NT           20548         34620         1.0E-101         AF208970.1         NT           20549         1.0E-101         AF208970.1         NT           20558         34620         6.64         1.0E-101         AF208970.1         EST HUMAN <t< td=""><td></td><td>18269</td><td>31239</td><td>1.14</td><td>1.0E-101</td><td>5921460</td><td>NT</td><td>Homo sepiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA</td></t<>		18269	31239	1.14	1.0E-101	5921460	NT	Homo sepiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA
18368         31336         0.6         1.0E-101         BE612654.1         EST_HUMAN           18369         31337         0.6         1.0E-101         AW965139.1         EST_HUMAN           18305         32645         4.07         1.0E-101         AV27512         NT           18305         32646         4.07         1.0E-101         AV27512         NT           18306         32646         4.07         1.0E-101         AV27512         NT           18306         32646         4.07         1.0E-101         AV27512         NT           20548         34019         4.22         1.0E-101         AF208970         NT           20548         34020         4.22         1.0E-101         AF208970         NT           20548         34020         4.22         1.0E-101         AF208970         NT           20548         34020         4.22         1.0E-101         AF208970         NT           20540         3452         1.0E-101         AF208970         NT           20552         34459         6.64         1.0E-101         BF330759         EST HUMAN           2178         34697         0.74         1.0E-101         BF275821		18269	31240	1.14	1.0E-101	5921460		Homo sepiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA
18369         31337         0.6         1.0E-101   AW965139.1         EST HUMAN           18053         32645         4.07         1.0E-101   AW965139.1         EST HUMAN           18056         32645         4.07         1.0E-101   A727512   NT         NT           18067         32646         4.07         1.0E-101   A727512   NT         NT           20500         1.28         1.0E-101   A727512   NT         NT           20548         34019         4.22         1.0E-101   AF208070.1         NT           20548         34020         4.22         1.0E-101   AF208070.1         NT           20714         34182         7.65         1.0E-101   AF208070.1         NT           20550         34459         7.65         1.0E-101   AF208070.1         NT           20714         34182         7.65         1.0E-101   AF208070.1         NT           20720         34659         1.0E-101   AF208070.1         EST HUMAN           20717         3469         6.64         1.0E-101   BF275821.1         EST HUMAN           21779         3469         0.74         1.0E-101   BF275821.1         EST HUMAN           21787         34843         1.0E-101   BF275821.1         EST HUMAN		18369	31336	9.0	1.0E-101	12554.1	EST_HUMAN	601452067F1 NIH_MGC_66 Homo sapiens cDNA clone IMAGE:3855761 67
18805         31611         1.94         1.0E-101 AW865139.1         EST_HUMAN           18805         32645         4.07         1.0E-101         7427512 NT           18805         32646         4.07         1.0E-101         7427512 NT           19887         33366         0.86         1.0E-101         7427512 NT           20548         34019         4.22         1.0E-101         11545780 NT           20548         34020         4.22         1.0E-101 AF208970.1         NT           20714         34192         7.65         1.0E-101 AF208970.1         NT           20714         34192         7.65         1.0E-101 AF208970.1         NT           20809         1.08         1.0E-101 AF208970.1         NT           20714         34192         7.65         1.0E-101 AF208970.1         NT           20809         1.08         1.0E-101 AF208970.1         EST HUMAN           20809         3469         6.64         1.0E-101 BF275821.1         EST HUMAN           21779         3469         0.74         1.0E-101 BF275821.1         EST HUMAN           2178         3469         0.74         1.0E-101 BF275821.1         EST HUMAN		18369	31337	9.0	1.0E-101	BE612554.1	EST HUMAN	601452087F1 NIH_MGC_88 Hamo capiens cDNA clone INAGE:3855761 67
18305         3.2645         4.07         1.0E-101         7427512 NT           18305         3.2646         4.07         1.0E-101         7427512 NT           19887         33366         0.86         1.0E-101         7427512 NT           20500         1.28         1.0E-101         11430734 NT           20548         34019         4.22         1.0E-101 AF208970.1         NT           20714         34182         7.65         1.0E-101 AF208970.1         NT           20714         34182         7.65         1.0E-101 AF208970.1         NT           20809         1.08         1.0E-101 AF208970.1         NT           20810         1.08         1.0E-101 AF208970.1         NT           2081         1.08         1.0E-101 AF208970.1         NT           2082         34459         6.64         1.0E-101 BF230759.1         EST HUMAN           2178         34697         0.74         1.0E-101 BF275821.1         EST HUMAN           2182         34843         1.0E-101 BF275821.1         EST HUMAN		18633	31611	1.94	1.0E-101	AW965139.1	EST_HUMAN	EST377212 MAGE resequences, MAGI Hamo saplens cDNA
19805         3.2646         4.07         1.0E-101         7427512 NT           19887         33366         0.96         1.0E-101         11430734 NT           20500         1.28         1.0E-101         11545780 NT           20548         34020         4.22         1.0E-101 AF208970.1         NT           20714         34192         7.65         1.0E-101 AF208970.1         NT           20714         34192         7.65         1.0E-101 AF208970.1         NT           20714         34192         7.65         1.0E-101 AF208970.1         NT           20806         1.08         1.0E-101 AF208970.1         EST HUMAN           20952         34459         6.64         1.0E-101 BF330759.1         EST HUMAN           21178         34697         0.74         1.0E-101 BF275821.1         EST HUMAN           21327         34843         1.6E-101 BF275821.1         EST HUMAN		19305	32645	4.07	1.0E-101	7427512	LN.	Homo septens cytopiasmic linker 2 (CYLN2), mRNA
19987         33366         0.86         1.0E-101         11430734 NT           20500         1.28         1.0E-101         11545780 NT           20548         34019         4.22         1.0E-101 AF208970.1         NT           20548         34020         4.22         1.0E-101 AF208970.1         NT           20714         34192         7.65         1.0E-101 AF208970.1         NT           20809         1.0E-101 AF208970.1         NT         NT           20806         1.0E-101 BF20837.1         EST HUMAN           20952         34459         6.64         1.0E-101 BF27582.1         EST HUMAN           2178         34697         0.74         1.0E-101 BF27582.1         EST HUMAN           2182         34843         1.6         1.0E-101 BF27582.1         EST HUMAN		19305	32646	4.07	1.0E-101	7427512	LN	Homo sapiens cytoplasmic linker 2 (CYLN2), mRNA
20500         1.28         1.0E-101         41545780         NT           20548         34019         4.22         1.0E-101         AF208970.1         NT           20548         34020         4.22         1.0E-101         AF208970.1         NT           20714         34192         7.65         1.0E-101         AW008475.1         EST HUMAN           20806         34459         6.64         1.0E-101         BF330759.1         EST HUMAN           21179         34697         0.74         1.0E-101         BE275821.1         EST HUMAN           21327         34843         1.6         1.0E-101         BF275821.1         EST HUMAN		19987	33396	0.98	1.0E-101	11430734	뉟	Homo sapiens carbonic anhydrase VII (CA7), mRNA
20548         34019         4.22         1.0E-101 AF208970.1         NT           20548         34020         4.22         1.0E-101 AF208970.1         NT           20714         34182         7.65         1.0E-101 AW008475.1         EST_HUMAN           20809         1.09         1.0E-101 BE257384.1         EST_HUMAN           20952         34459         6.64         1.0E-101 BE730759.1         EST_HUMAN           21178         34696         0.74         1.0E-101 BE275821.1         EST_HUMAN           21179         34697         0.74         1.0E-101 BE275821.1         EST_HUMAN           21327         34843         1.6         1.0E-101 BF275821.1         EST_HUMAN	_	20500		1.28	1.0E-101	15780	۲	Homo sepiens hypothetical protein FLJ22087 (FLJ22087), mRNA
20548         34020         4.22         1.0E-101 AF208970.1         NT           20714         34182         7.65         1.0E-101 AW008475.1         EST_HUMAN           20809         1.89         1.0E-101 BE257384.1         EST_HUMAN           20952         34459         6.64         1.0E-101 BF230759.1         EST_HUMAN           21178         34696         0.74         1.0E-101 BE275821.1         EST_HUMAN           21179         34697         0.74         1.0E-101 BE275821.1         EST_HUMAN           21327         34843         1.6         1.0E-101 BF275821.1         EST_HUMAN		20548	34019	4.22	1.0E-101		IN	Homo sapiens Kruppel-type zinc finger protein (PEG3) mRNA, atternative splice form 4, partial cds
20714         34192         7.65         1.0E-101         AW008475.1         EST_HUMAN           20809         1.99         1.0E-101         BE257384.1         EST_HUMAN           20952         34459         6.64         1.0E-101         BF330759.1         EST_HUMAN           21178         34696         0.74         1.0E-101         BE275821.1         EST_HUMAN           21179         34697         0.74         1.0E-101         BE275821.1         EST_HUMAN           21327         34843         1.6         1.0E-101         BF275871.1         EST_HUMAN		20548	34020	4.22	1.0E-101		L	Homo sapiens Kruppel-type zinc finger protein (PEG3) mRNA, alternative splice form 4, partial cds
20809         1.09         1.0E-101         BE257384.1         EST_HUMAN           20952         34459         6.64         1.0E-101         BF330759.1         EST_HUMAN           21178         34696         0.74         1.0E-101         BE275821.1         EST_HUMAN           21179         34697         0.74         1.0E-101         BE275821.1         EST_HUMAN           21327         34843         1.6         1.0E-101         BF275871.1         EST_HUMAN		20714	34192	7.65	1.0E-101	AW008475.1	EST_HUMAN	wv55f12x1 NCI_CGAP_Gas4 Hamo sapiens dDNA clone IMAGE:25334873'
20952         34459         6.64         1.0E-101 BF330759.1         EST HUMAN           21178         34696         0.74         1.0E-101 BE275821.1         EST HUMAN           21179         34697         0.74         1.0E-101 BE275821.1         EST HUMAN           21327         34843         1.6         1.0E-101 BF029174.1         EST HUMAN		20809		1.09	1.0E-101		EST_HUMAN	601108217F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3349901 5
21179         34696         0.74         1.0E-101 BE275821.1         EST HUMAN           21179         34697         0.74         1.0E-101 BE275821.1         EST HUMAN           21327         34843         1.6         1.0E-101 BF029174.1         EST HUMAN		20952	34459	g.64	1.0E-101	BF330759.1	EST HUMAN	RC1-BT0319-220700-018-f12 BT0313 Homo sepiens cDNA
21179 34697 0.74 1.0E-101 BE275821.1 EST_HUMAN 21327 34843 1.6 1.0E-101 BF029174.1 EST_HUMAN		2179	34696	0.74	1.0E-101	BE275821.1	EST HUMAN	601121621F1 NiH_MGC_20 Homo septens cONA clone MAGE:3345869 5"
21327 34843 1.6 1.0E-101 BF029174.1 EST_HUMAN		21179	34697	0.74	1.0E-101	BE275821.1	EST_HUMAN	601121621F1 NIH_MGC_20 Homo sapiens cDNA clone MAGE:3345869 5
		21327	34843	1.6	1.0E-101	BF029174.1	EST HUMAN	601764686F1 NIH_MGC_63 Homo septens cDNA clone IMAGE:3996837 5

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Table 4
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Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Veltus	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
21598	35132	12.0	1.0E-101	1.0E-101 AW630070.1	EST_HUMAN	hh74g10.y1 NCI_CGAP_GU1 Homo sapiens cDNA clone IMAGE:2888578 5' similar to gb;J03143 INTERPERON-GAMMA RECEPTOR ALPHA CHAIN PRECURSOR (HUMAN);
21598	35133	0.71	1.0E-101 AW	AW630070.1	EST_HUMAN	hh74g10.y1 NCI_CGAP_GU1 Homo sepiens cDNA clone IMAGE:2888578 6' similer to gb:J03143 INTERFERON-GAMMA RECEPTOR ALPHA CHAIN PRECURSOR (HUMAN);
22290	35832	1.1	1.0E-101	1.0E-101 AA036800.1	EST HUMAN	2/C9g08.rf Scenes, pregnant, uterus, NbHPU Homo sapiens cDNA clone IMAGE:471898 6' similer to PIR:S64640 S54640 YD8335.03c protein - yeast;
22696	36167	08:0		1.0E-101 AB037772.1	ᅜ	Homo sepiens mRNA for KIAA1351 protein, perfiel cds
22586		0.99	1.0E-101 AB0	AB037772.1	M	Homo sapiens mRNA for KIAA1351 protein, perfiel cds
21103	34619	17.36	1.0E-101 X60	X60069.1	Ы	Human mRNA for pencreatic gamma-glutamytrensferase
21103		17.36	1.05-101	X80069.1	Ę	Human mRNA for pancreatic gamma-glutamytransferase
22638	36209	19.41	1.0E-101	9845492 NT	Ä	Homo saplens gamme-glutamytransferase 1 (GGT1), transcript variant 3, mRNA
2298		3.36	1.0E-101 BES	BEB19867.1	EST_HUMAN	601472808T1 NIH_MGC_68 Homo sapiens cDNA clone IMAGE:3875953 3'
22008	36504	3.36	1.0E-101	1.0E-101 BE619667.1	EST_HUMAN	601472808T1 NIH_MGC_68 Homo sapiens cDNA clone IMAGE:3875953 3'
23136	36737	89.0	1.05-101	10963960 NT	Ę	Homo sepiens polassium chennel, subfamily K, member 10 (KCNK10), mRNA
23654	37264	1.94	1.0E-101	11429127 NT	M	Homo sapiens Janus kinase 2 (a protein tyrosine kinase) (JAK2), mRNA
23690	37299	4.37	1.0E-101 AJ57	A1570283.1	EST_HUMAN	to 77411.x1 NCI_CGAP_Gas4 Homo septens cDNA clone IMAGE:2184309 3' similar to go:M26326 NGRATIN, TYPE I CYTOSKELETAL 18 (HUMAN);
23690	37300	4.37	1.0E-101 AIS7	A1570293.1	EST HUMAN	b77d11x1 NCI_OGAP_Gas4 Homo sepiens cDNA clone IMAGE_2184309 3' similar to gb:M26326 KERATIN, TYPE I CYTOSKELETAL 18 HILMAN):
23804		0.83	1.0E-101	1.0E-101 BE973648.1	EST HUMAN	601680825F1 NIH MGC 83 Hamo septems CDNA clone IMAGE:3950887 5
23804	37427	0.83	1.0E-101	1.0E-101 BE973648.1	EST HUMAN	601680825F1 NIH MGC BS Homo sepiens cDNA clone IMAGE:3950887 5
24432		1.31	1.0E-101 ABO	AB020626.1	F	Homo sapiens mRNA for KIAA0819 protein, partial cds
25040		1.85	1.0E-101	1.0E-101 AISD8168.1	EST_HUMAN	RC-BT163-290499-085 BT163 Homo sepiens cDNA
25040	38749	1.85	1.0E-101 AISO	Al908168.1	EST_HUMAN	RC-BT163-220499-085 BT163 Homo sapiens cDNA
25489		2.24	1.0E-101 BE1	BE163587.1	EST_HUMAN	QV3-HT0480-230200-101-d03 HT0460 Homo septens cDNA
25529		12.79	1.0E-101 AW	AW639051.1	EST_HUMAN	QV1-DT0068-240200-085-a01 DT0068 Homo sapiens cDNA
13278		0.61	1.0E-102 AFO	AF012872.1	ŃT	Homo seplens phosphatidylinositid 4-kinase 230 (p.4K230) mRNA, complete cds
13562	26589	4.57	1.0E-102 AL16	AL163303.2	NT	Hamo sepiens chromosome 21 segment HS21C103
13820		0.61	1.0E-102 BE2	BE252470.1	EST_HUMAN	601108292F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3344326 5'
13975		1.06	1.0E-102	4657634 NT	NT	Homo sapiens down-regulated in adenoma (DRA) mRNA
14306		1.9	1.0E-102 M10976.1	M10976.1	MT	Human endogenous retroviral DNA (4-1), complete retroviral segment
14453		2.05	1.0E-102		NT	Homo septens solute carrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), mRNA
14453	27519	2.05	1.0E-102	11437146 NT		Homo saplens solute carrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), mRNA
14603		355.9	1.0E-102	BE408447.1	EST_HUMAN	601289082F1 NIH_MGC_21 Hamo sepiens cDNA dane IMAGE:3629901 5'

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Table 4
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Top Hit Descriptor	am60c10.x1 Johnston frontal cortex Homo septens cDNA done IMAGE:1539954 3' similar to SW:GG95_HUMAN Q08379 GOLGIN-95.;	am50c10.x1 Johnston frontal cortex Homo sapiens cDNA done IMAGE:15369543' similar to SW:GG86_HUMAN Q08379 GOLGIN-96.;	Homo sapiens PRKY exen 7	Homo septens KIAA0187 gene product (KIAA0187), mRNA	AU141005 PLACE4 Hamp sapiens cDNA done PLACE4000650 51	AU141005 PLACE4 Homo sepiens cDNA done PLACE4000650 5			1/32c04.r1 Scares placenta Nb2HP Homo sapiens dDNA clone IMAGE:140834 67	Homo sepiens protein phosphatase-1 regulatory subunit 7 (PPPTR7) gene, exam 7	Homo sepiens HSC54 mRNA for heat shock cognate protein 54, complete cds	Homo sepiens histone deacet/lase 7 (HDAC7), mRNA	Homo sepiens histone descety/ase 7 (HDAC7), mRNA	Hamo septens hect domain and RLD 2 (HERC2), mRNA	ar6209.x1 Barstsad colon HPLRB7 Homo saplens cDNA done IMAGE:2151785 3' shnilar to TR:Q13137	C1313/ NDF02.;	╗	$\neg$		Homo septens mRNA for KIAA0960 protein, pertial cds	Homo saplens mRNA for Centaurin-elpha2 protein					Homo sapiens mRNA for KIAA0454 protein, partial cds					$\neg$	AU124629 NTZRW4 Hama sapiens aDNA dane NTZRW4000309 5
Top Hit Database Source	EST_HUMAN	EST_HUMAN	ᅜ	NT	<b>EST_HUMAN</b>	EST_HUMAN	NT	EST_HUMAN	<b>EST_HUMAN</b>	NT	NT	NT	NT.	NT		EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	N	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	NT	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	1.0E-102 A1124689.1	1.0E-102 AI124689.1	Y13932.1	7661979 NT	AU141005.1	AU141005.1	1.0E-102 AL163207.2	BE251310.1	R66488.1	AF067133.1	1.0E-102 AB034951.1	TV05398 NT	7705398 NT	11433046 NT		1.0E-102 AI459825.1	AW451643.1	BE728323.1	BE386106.1	AB023177.1	AJ238994.1		BE763051.1	1.0E-102 AV694817.1	1.0E-102 AV694817.1	AB007923.1	BE388063.1	BE388063.1	AV755842.1	170383.1		AU124629.1
Most Similar (Top) Hit BLAST E Value	1.0E-102	1.0E-102	1.0E-102 Y13932.1	1.0E-102	1.0E-102 AU1	1.0E-102 AU1	1.0E-102	1.0E-102 BE2	1.0E-102 R68	1.0E-102 AFO	1.0E-102	4.0E-102	1.0E-102	1.0E-102		1.0E-102	1.0E-102 AW	1.0E-102 BE7	1.0E-102 BE3	1.0E-102 AB0.	1.0E-102 AJZ	1.0E-102 AV7	1.0E-102 BE7	1.0E-102	1.0E-102	1.0E-102 ABO	1.0E-102 BE3	1.0E-102 BE3	1.0E-102 AV7	1.0E-102 T70		1.0E-102 AU1
Expression Signal	1.91	1.91	0.74	1.47	3.73	3.73	1.74	2.57	1.28	1.6	6.87	3.25	3.25	0.81		281	0.7	0.91	1.02	1.6	8.03	2.61	3.85	1.71	1.71	0.81	1.2	1.2	0.84	2	2	3.11
ORF SEQ ID NO:	28642	28643	L	28322		29388	30472	L			١.	32408		L			33507		33858	33977	34057			35301	35302	L	35754			36155		36237
SEQ ID NO:	15514	16614	L		16378	16378			18346	18686	L_	L	<u> </u>	19100	l		20080		20396	L	_	<u> </u>	L	L.	L				L	_	22587	
Probe SEQ ID NO:	2383	2383	3080	3133	3203	3203	4347	4533	6224	5487	5867	5005	5005	3912		6422	7227	7286	7314	7429	7510	7802	8418	888	9691	8807	9131	913	948 1548	8522	8522	9611

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Table 4
Single Exon Probes Expressed in Placenta

Most Similar (Top) Hit Acession     Top Hit Acession     Top Hit Descriptor       Signal Signal Signal Value     Value     Source	0.64 1.0E-102 AF153715.1 NT Homo saplens phospholipid scramblese 1 gene, exon 1 and 5 flanking region	0.67 1.0E-102 11425430 NT Homo sepiens myomesin (M-probein) 2 (1654D) (MYOMZ), mRNA	1.0E-102 11425430 NT	X037.1 EST_HUMAN	1.0E-102 AISO5037.1 EST_HUMAN	1.5 1.0E-102 AA970786.1 EST HUMAN SW:CAV2 HUMAN P51886 CAVEQUIN-2. f11:	1.0E-102 BE897488.1 EST HUMAN		2.44 1.0E-102 4507822 NT Homo septens UDP glycosytremsterase 2 family, polypeptide B11 (UGT2B11) mRNA	1.47 1.0E-102 AA888875.1 EST_HUMAN ak49h10.s1 Soeres_bests_NHT Homo sapiens cDNA clane IMAGE:1400347 3'	EST_HUMAN	2.83 1.0E-102 U41302.1 NT Human chromosome 16 creatine transporter (SLC6AB) and (CDM) paralogous genes, complete cds	6.69 1.0E-102 AL163280.2  NT   Homo saplens chromosome 21 segment HS21C080	1.0E-102 AW300862.1 EST_HUMAN	1.0E-102 11418159 NT		0.85 1.0E-103 BE908158.1 EST HUMAN 601500405F1 NIH MGC 70 Homo saplens cDNA chone IMAGE:3902305 5		0.84 1.0E-103 5453793 NT Homo saplens nucleolar protein (KKE/D repeat) (NOP56) mRNA	74.34 1.0E-103 AJ278348.1 NT Homo septens mRNA for pregnancy-associated plasma protein-E (PAPPE gane)	77541.1 EST_HUMAN	AF012872.1 (NT	1.02 1.0E-103 7657692 NT Homo capiens sing GDS-ASSOCIATED PROTEIN (SMAP), mRNA	1.0E-103 4502428 NT	2428 NT	1.95 1.0E-103 AU134891.1 EST_HUMAN AU134891 PLACE1 Homo sepiens cDNA done PLACE1000965 67	1.84 1.0E-103 AF060589.1 NT Homo septens promyeticytic feukemia zinc finger protein (PLZF) gene, complete cds	1.0E-103 N32770.1 EST HUMAN ww/91d08.s1 Soares, placenta, 8tb9weeks, ZNbHP8tb9W Homo sapiens cDNA clone MAGE-259599 3"	EST_HUMAN	5.33 1.0E-103 AW289245.1 [EST_HUMAN   UIH-BWO-eith-11-0-UI.s1 NGI_CGAP_Sub8 Homo saplens cDNA clone IMAGE 22733165.3*
Expression	0.64	29.0	0.67	3.26	3.26	1.5	1.37	2.44	2.44	1.47	2.47	2.83	6.69	5.67	1.25	0.85	0.85	8.24	0.84	74.34	7.08	3.51	1.02	0.95	0.95	1.95	1.84	-	276	5.33
ORF SEQ ID NO:			37292	37325	37326	37394	38030	38035	38036	38337	388378	38699		32000		26331	26332			27234			28207	28280	28281	28638	28772	28921		28653
Econ SEQ ID NO:					23720	18 <i>LEZ</i>	24388	24380	24390	24653	24688	24004	25142	25517	25558	13308	13308	13338	13436	14175	14429	14778	15107	15172	15172	15510	15848	15805	16313	100
Probe SEQ ID NO:	10593	10847	10647	10987	10687	10748	11323	11327	11327	11600	11690	12000	12182	12775	12831	71	71	102	213	1004	1272	1626	1964	2031	2031	2379	2523	2085	3137	3467

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Γ-	<del></del>	T	Τ		_ T	Γ	Γ	_	Π			Γ	T	T	T	7	7		٦	·SP	4.		<b>1</b>		T	T		T	ļ.,	<del>p a</del>	420 4	
Single Exon Probes Expressed in Fraction	Top Hilt Descriptor	Homo seniens mRNA for KIAA1459 protein, partial cds	Macaga mulatita cyclophilin A mRNA, complete ods	Androd 12-1 Strategiene lung (#937210) Homo sepiene cDNA clone IMAGE-840407 3' similar to contains	element LTR10 repetitive element;	Homo sapiens neuropijin 1 (NRP1), mikina Homo sapiens neuropijin 1 (NRP1), mikina opnia dome haddisama Cort 109+10-Bio-7 3'	seg340 b4+B3NA-Coff 09+10-bio Homo septens curving and an invace-rector of septime to	2x43b04.r1 Soares, total fetus Nb24F8 9w Homo sapients GUNA come inimaci 1 co 1 co 1 co 1 co 1 co 1 co 1 co 1	TR:G292352 G292352 COLLAGEN CHAIN RH;	602186023F1 NIT MCC +9 FMID 64-01	Homo septens septin 2 (SEP2) mRNA, pertial cus	Homo sepiens KIAA0440 protein (KIAA044U), mixwa	Homo serviens KIAA0440 protein (KIAA0440), mKNA	ESTREMS MAGE resequences, MAGC Homo capiens cDNA	EST BESSAR MACE resequences, MAGC Homo sapiens cDNA	23 Some bein NHT Homo sepiens dDNA done 1391452 3'	strongers of the recent reports Subunit (GLRAZ) gene, exent 4	Hamo Sapiens gryand rooth and seniers CDNA clane IMAGE:2162289 3' similar to TR:Q13769	THE STATE OF THE S	Q13769 ANONYMOUS.; Im58b05.x1 NO_CGAP_Bm25 Homo sapiens dONA clone IMAGE:2162289 3' similar to TR.Q13769	Q13769 ANONYMOUS.;	DXS206, DXS230, DXS239, DXS269, DXS270, DXS272 (DMD), transcript variant LP42/m,	mranA michael DXS142, DXS164,	Homo sapiens dysurghm (muscular dysurghm, DNS270, DNS272 (DMD), transcript variant DP427m,	UXSZOO, UXSZOO	Homo septens ribosomal protein L3-like (RPL3L), mRNA	Hamp septems KIAA0851 gene (partial), XT3 gene and LZTRL1 gene	EST377849 MAGE resequences, MAGI Homo sapiens CDNA	PAYS7F1 NIH MOC 55 Home explans cDNA clone IMACE:3838545 5	Hansabots of INCI CGAP_Brazs Homo sepiens aDNA done IMAGE:2162289 3' similar to INCUTS of	Q13789 ANONYMOUS.: Imestables x1 NCI CGAP Brids Home sapiens cDNA clone IMAGE:2162289 S' similar to TR:Q13769	Q13769 ANONYMOUS.;
EXON Probes	Top Hit Database Source			Z	EST_HUMAN		T HUMAN	Т	EST_HUMAN	EST HUMAN	Ę	Į		NAME TO T	TOWAR I	EST HUMAN	EST_HUMAN	¥		EST_HUMAN	EST_HUMAN		F		<u> </u>	12		ECT HIMAN	TOT LINAN	LON TOWN	EST HUMAN	EST_HUMAN
Single	Top Hit Acession No.	1	-	-		30876	-					5053	2000	11435055 IV	W954566.1	588.1	442.1	490.1		1390071.1	1590071.1		5032282 NT		TM COCCOUNT	207200	11451100118411	1.0E-103 AJZBBBBJ.1	1.0E-103 AW 903//0.1	1.0E-103 BE748158.1	1.0E-103 AI590071.1	1.0E-103 AI590071.1
	Most Similar (Top) Hit BLAST E		1.0E-103 AB040892.1	1.0E-103 AP023861.1	4 0E-103 AA485853.1	4 OF-103	4 05 400 100083	1.02-10.1	1.0E-103 AA451616.1	4 0E-403 RF569527.1	4 AE 403 AF479051	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.0E-1	1.0E-103	1.0E-103 AW95	1.0E-103 AW95	1.0E-103 AA781	1.0E-103 APD53		1.0E-103 AJ590071.1	1.0E-103 AIS90071.1		1.0E-103		!	4.0E-103	1.0E-103					
	Expression Signal		0.95	5.46	-	+ 64	5   5	4.63	0	18	R I	1.01	0.8	0.8	0.84	0.84	1.15	E		98,1	1.66		4.77						1.88	3.6	4	4
	ORF SEQ E	-	29700		-	2008	30080	30264		١	32563	325/1	32926	32827	33130					33422	33423	١	24524			3 31522	5 31490	33753	339/10		1 34511	1 34512
	SEQ ID		16694	17010		17053	17092	17264	00707	200	18238	19245	10586	19566	19748	10748	25934	7000	1306	20011	20011	1_		9000		18508	18535	20310	<u> </u>	<u> </u>		1
	Probe SEQ ID		3526	3850		88	3933	4110		2222	858	8063	6397	6397	65587	7020	1000	3 6	8	6889	6850		1000	3		6987	7108	7178	7375	7488	7951	7951

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Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Velue	Tap Hit Acessian Na.	Top Hit Database Source	Top Hit Descriptor
8484	21565	35101	0.59	1.0E-103	T31080.1	<b>EST_HUMAN</b>	ESTZ7169 Human Brain Homo sapiens cDNA 5' end similar to None
8822	L_		1.05	1.0E-103	1.0E-103 AU140344.1	EST_HUMAN	AU140344 PLACE2 Hamo sapiens aDNA clane PLACE2000374 5
8822			1.05	1.0E-103	1.0E-103 AU140344.1	EST HUMAN	AU140344 PLACE2 Hamo septens cDNA clane PLACE2000374 6"
8	CHATTER OF	0.00	70	4 06 400	DE CONSTANT	בכב רוויאים	7100603.x1 Sogres NSF F8_9W_OT_PA_S1 Homo septens cDNA clone INAGE:3525864 3' similar to con-con-con-con-con-con-con-con-con-con-
2008			3.18	1.05-103	1.0E-103 BY 10B2444.1	NT NT	Homo sapiens trible functional domain (PTPRF interacting) (TRIO) mRNA
2307			3.18	1.0E-103	6005921 NT	¥	Homo sapiens trible functional domain (PTPRF interacting) (TRIO), mRNA
88	l		0.97		AA581086.1	EST HUMAN	nd19c02.s1 NCI_CGAP_Ov1 Homo septens cDNA done IMAGE:800162 3' similar to gbt_02426 26S PROTEASE SUBUNIT 4 (HUMAN);
10283	L	36896	2.04	1.0E-103 2379	l	NT	H. sapiens mRNA for latent transforming growth factor-beta binding protein (LTBP-2)
10304	23339	36944	2.07	1.0E-103	33678.1	EST_HUMAN	EST375749 MAGE resequences, MAGH Homo sapiens cDNA
10443	23478	37083	10.79	1.0E-103	1.0E-103 AI878966.1	EST_HUMAN	au51g04.y1 Schneider fetal brain 00004 Homo sapiens cDNA done IMAGE:2518328 6' similar to TR:015046 015046 KIAA0338 ;
10878	23963	37591	1.52	1.0E-103 BE54	9706.1	EST HUMAN	704103.x1 NGI CGAP_Lu24 Homo sepiens cDNA clone IMAGE:3230813 3' similar to gb3M69043 MAJOR HISTOCOMPATIBILITY COMPLEX ENHANCER-BINDING PROTEIN (HUMAN);
10971	24051	37684	9.5	1.0E-103	1.0E-103 AI792759.1	EST_HUMAN	obcato6.y6 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1522283 6' similer to TR-Q62084 Q62084 PHOSPHOLIPASE CNEIGHBORING;
11072		37785	2.45	1.0E-103	11424061 NT	ᅜ	Homo sepiens AXL receptor tyrosine kinase (AXL), mRNA
11072	24147	. 37786	2.45	1.0E-103	11424061 NT	M	Homo sapiens AXL receptor tyrosine kinase (AXL), mRNA
11083	24157	37794	2.4	1.0E-103 AF14	9773.1	NT	Homo sapiens NOD1 protein (NOD1) gene, excrs 1, 2, and 3
11083	24157	37785	2.4	1.0E-103 AF14	<i>377</i> 3.1	TN	Homo septens NOD1 protein (NOD1) gene, excris 1, 2, and 3
11656	24735	38426	2.67	1.0E-103	6283.1	EST_HUMAN.	AU136283 PLACE1 Hano saplens cDNA clone PLACE1003923 5
11731	23917	37542	4.1	1.0E-103 L4361	0.1	NT	Homo sapiens polycystic kldney disease (PKD1) gene, expns 27-30
11968	24963		1.71	1.0E-103 AB02	1769.1	ŊŢ	Homo sapiens TSA305 gene, excn 16
12044	25025	38730	2.28	1.0E-103 BE64	BE644611.1	EST_HUMAN	7e68a10.x1 Soares_NSF_FB_9W_OT_PA_P_S1 Hamo sepiens cDNA clone IMAGE:3287610 3' similer to contains MER29.t3 MER29 repetitive element;
12178	25138		3.4	1.0E-103 AF22	1669.1	¥	Homo septens mannosidase, beta A, Iysosomal (MANBA) gene, and ubiquitin-conjugating enzyme EZD 3 (UBEZD3) genes, complete cds
12209	25162		1.22	1.0E-103	11526291		Homo sepiens hypothetical protein FL/20454 (FL/20454), mRNA
12414	26293	32083	1.71	1.0E-103 AB01	1399.1	뒫	Hamo saplens gene far AF-6, camplete cds
243	13465	26494	2.46	1.0E-104 AL03	7549.3	EST HUMAN	DKFZp564H1072_r1 564 (synonym: hfbr2) Homo saplens cDNA clone DKFZp564H1072 5'
243	13465	26495	2.46	1.0E-104 AL037	7549.3	EST_HUMAN	DKFZp564H1072_r1 564 (synonym: httpr2) Homo saplens cDNA clone DKFZp564H1072 5
1937	15080	28182	1.92	1.0E-104	4502428 NT	F	Homo saplens bane morphagenetic protein 8 (asteogenic protein 2) (BMP8) mRNA

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Top Hit Descriptor	zo22c06.s1 Strategane colon (#837204) Homo saplens cDNA clone IMAGE:587626 3' similar to gb:214116_mat cD59 GLYCOPROTEIN PRECURSOR (HUMAN);	601577460F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3928438 5	RC1-CT0249-110900-214-f12 CT0249 Hamo septens aDNA	RC1-CT0249-110900-214-f12 CT0249 Hamo sapiens cDNA	Homo sapiens ARP2 (actin-related protein 2, yeast) homidog (ACTR2), mRNA	Human Iymphocytic antigan CD59MEM43 mRNA, complete cds	H. sapiens gene encoding phenylpyruvate tautomerase II	AU133926 OVARC1 Hamo saplens dDNA dana OVARC1000936 6	EST2/1658 Adrenal gland tumor Homo sapiens cDNA 5' end	Homo sapiens mRNA for KIAA1276 protein, partial cds	Hamo sapiens mRNA for KIAA1276 protein, perfait cds	Homo sepiens mRNA for KIAA1172 protein, partial cds	HSC31A071 normalized Infant brain cDNA Homo saplens cDNA clone c-31a07	Human mRNA for fibronectin (FN precursor)	Homo sepiens chromosome 21 unknown mRNA	Homo sapiens chromosome 21 unknown mRNA	Human Down Syndrome region of chromosome 21 DNA	Human Down Syndrome region of chromosome 21 DNA	Homo sapiens aik3 mRNA for Aurora/ip11-related kinase 3, complete cds	wi03b12x1 NCi_CGAP_Kd12 Homo sapiens cDNA clone IMAGE:24017z7 3' simiter to TR:Q14145 Q14145 IQAA0132 PROTEIN .contains element LTR7 repetitive element :	WIGSD12X1 NCI_CGAP_KId12 Homo sapiens cDNA done IMAGE:24017273' similar to TRC014145 Q14145	KIAAU132 PRU EIN. jontains eigmen LIK/ repentve eigmen;	Homo septens PDZ domain-containing guartine ruckcodde exchange factor I (LOC51735), mRNA	801150451F1 NIH_MGC_19 Hamo sepiens cDNA clane IMAGE:3503220 5	601150451F1 NIH_MGC_19 Hamo sapiens cDNA clane IMAGE:3503220 5	Homo sepiens adaptor-related protein complex 2, beta 1 subunit (AP2B1), mRNA	UI+H-BI4-eow-b-09-0-UI.st NCI_CGAP_Sub8 Hamo septens dDNA dane IMAGE:30801763'	nad16g11.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3365948 3'	zj38b05.s1 Sogres_fetgl_liver_spleen_1NFLS_S1 Hamo squiens aDNA alone IMAGE:4628973*	ye83f02.r1 Scares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:22440 5"	Hamo sapiens Trio isaform mRNA, camplete cds	Hamo sepiens Trio isoform mRNA, complete ads
Top Hit Detrabese Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	NT	EST_HUMAN	EST HUMAN	MT	NT	Ā	EST HUMAN	M	Į.	NT	NT	. LN	Ŋ	EST HUMAN	ľ	EST_HUMAN	.	EST_HUMAN	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	M	N-
Top Hit Acession No.	AA132975.1	1.0E-104 BE744628.1	BF334221.1	1.0E-104 BF334221.1	5031570 NT	M34671.1	Y11151.1	AU133926.1	AA319436.1	AB033102.1	AB0331021	AB032998.1	F11745.1	X02761.1	AF231920.1	AF231920.1	U43379.1	U43379.1	AB017332.1	1 OF-104 ATR8797 1		1.0E-104 AI768797.1		BE314182.1	BE314182.1	11425572	BF509244.1	1.0E-104 BF448230.1	1.0E-104 AA682308.1	1.0E-104 T74219.1	1.0E-104 AF091395.1	AF091395.1
Most Similar (Top) Hit BLAST E Velue	1.0E-104 AA1	1.0E-104	1.0E-104 BF30	1.0E-104	1.0E-104	1.0E-104 M34	1.0E-104 Y11	1.0E-104 AU1	1.0E-104 AA3	1.0E-104 AB0	1.0E-104 ABO	1.0E-104 ABO	1.0E-104 F11	1.0E-104 X02	1.0E-104 AFZ	1.0E-104 AFZ	1.0E-104 U43:	1.0E-104	1.0E-104 AB01	1 OF 104		1.0E-104	1.0E-104	1.0E-104 BE3	1.0E-104 BE31	1.0E-104	1.0E-104 BF50	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104 AF0
Expression Signal	33,28	4.55	9.73	9.73	2	17.99	2.15	0.99	2.33	0.65	0.65	0.71	0.71	33.95	1.2	12	1.05	1.05	0.93	8		8.6	0.74	3.39	3.39	2.01	0.87	2.41	0.46	1.03	5	5
ORF SEQ ID NO:	28528	28540	28698	28699	28753	29126		29626		29860	29861	30219	30383			30850	32567	32568	32623	28140				33692				_	36082			36147
Ean SEQ ID NO:	15400	15409	15570	15570	15633	16111	16159	16610	16645	16852	16852	17200	L		<u> </u>		19243	19243	192288	10775	<u>L</u> _		19941		20255			Ĺ	22620	22541		1
Probe SEQ ID NO:	2267	77.77	2442	2442	2506	2834	2983	3337	3478	3690	3690	4053	4248	4496	4732	4732	9091	1909	9108	8		868	6788	6942	6942	7373	8796	8988	9463	9484	9515	9515

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	Top Hit Descriptor	8	ette cds	3A) gene, extm 2	(RPF-1), mRNA	clane IMAGE:4130334 6'	clone IMAGE:4130334 5'	J.) mRNA	JL), mRNA	piens cDNA	\ clone IMAGE:3960019 5'		omo sapiens cDNA clone HFBCR32	NA clone IMAGE:2500628 3' similar to	ME A SYNTHETASE;	RC1-CN0008-0/0100-011-eus C40000 Library September CDNA done IMAGE:2711782.3'	piens cDNA	plens cDNA	A clore IMAGE:3847884 5	A clane IMAGE:3847884 5	ene, complete cds, atternatively spliced	exon 31	4), mRNA	w/AAn7 x1 Soares thymus NHFTh Homo septems cDNA clone IMAGE:2535301 3' similar to TR:P87892	P87892 PROTEASE;	G Co.	Services CDNA clone IMAGE:3078348 5	4 Ame IVAGE-2215008 3'	spiens cDNA	thd1)	-hd1)	tete cds	
		Homo seniens chromosome 21 segment HS21C008	Home saviens mRNA for KIAA0866 protein, complete cds	Lower services FA.AP ubjaurith-protein ligase (UBE3A) gene, exch 2	Indition Services Betting derived POL-domain factor-1 (RPF-1), mRNA	RAJORIO SEPTEMBER NGC 19 Homo septems CDNA clone NAGE-4130334 6	SOURCE AND MICE 19 Homo sapiens CDNA clone INAGE:4130334 5	United States of These activating protein-like (GAPL), mRNA	Home seriens GTPase activating protetn-like (GAPL), mRNA	FETTARSERO MAGE resequences, WAGB Homo sepiens cDNA	RATESTATE IN MIGG 21 Hamo septens a DNA alone IMAGE:3960019 6	Literate mRNA for dol proto-oncodene	7	Т		Т	Т	Т	Т	T	Т	Homo septens COL4A6 gene for a6(IV) collegen, exon 31	Homo septems Ren binding protein 11 (LOC51194), mRNA	W7467 x Soares thymus NHFTh Homo			Homo septens attractiff precursor (A I r.v.) years, water of the chine IMAGE:3078348 5	╗	Т	Т	Tulifier du justicione productione noeudodene (bsi-hd1)	Homo caniens soluble neuroniin-1 mRNA, complete ods	
Silling State of the state of t	Top Hit Database Source	1	2	ž!	Į.	12	EST HUMAN	EST HUMAN	Z	NAT LOL	NAME TO THE	TOWN TOWN	Ž	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	ESI HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	z	Z	N C	EST_HUMAN	EST_HUMAN	TN	EST_HUMAN	EST_HUMAN	EST HUMAN	Z	<u> </u>	ž
oll light	Top Hit Acession No.		208.2	3673.1		11420134	4302.1	4302.1	11419196NI	11419196 N I	1.0E-105 AW951634.1	1.0E-105 BE902619.1	X12556.1	T05087.1	1.0E-105 AW007194.1	1.0E-105 AW840817.1	1.0E-105 AW016879.1	1.0E-105 AW 882372.1	1.0E-105 AW882372.1	1.0E-105 BE867783.1	BE867783.1	1.0E-105 AF254822.1	263348.	1/058G0//	1.0E-105 AW027554.1	1.0E-105 BF430921.1	AF218896.1	SAW503208.1	3 A1565065.1	1.0E-106 AW965556.1	1.0E-106 J00146.1	1.0E-106 J00146.1	3 AF145712.1
	Most Similar (Top) Hit BLAST E		1.0E-105 AL 163	1.0E-105 AB02	1.0E-105 AF01	1.0E-105	1.0E-105 BF31	1.0E-105 BF31	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105 X12556.1	1.0E-105 T05087.1	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105					1.0E-105			Ľ						1.0E-106 AF1
	Expression		5.34	1.08	1.18	1.12	1.44	1.44	3.78	3.78	0.72	0.72	0.93	11.05	1.63	0.82	2.51	0.83	0.83	0.75	0.75		1.42	1.85	252	148				1.89	0.8		8.84
	ORF SEQ ID NO:			31344	31623		33513	33514	31458	31459	33743	33088	34647	L			L	36041			36334		38241	38293	38572	38660			3 26484				
	Exem SEQ ID NO:		18181	18378	1	1	1:	1_	<u> </u>		20300	20513	<b>I</b> _	1_			1_	1_	_			3 24243	3 24584		7 24875	1	7	┸	⊥_	1_	L	1_	L
	Probe SEQ ID		5053	5259	5445	6513	7045	7045	7121	7121	7167	7436	8043	8217	COO	94.28	9250	4040	808	19/6	9767	11173	11506	11659	11887		2/811	1771	3 6	1 12	2	8	1554

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Table 4
Single Exon Probes Expressed in Placenta

Single Lyon Plans and Plans	ORF SEQ Expression (Top) Hit Top Hit Acession Databases ID NO: Signal BLASTE No. Source	7.83 1.0E-106 U48724.1 NT	28000 1.33 1.0E-106 U04510.1 NT	280C3 5.51 1.0E-108 AAE27448.1 EST_HUMAN	A DE-106 AAS27448 1 EST HUMAN	20024 104 10F-106 BE144288.1 EST HUMAN	3.62 1.0E-106 4504184 NT	28821 2.19 1.0E-106 AF003528.1 NT	28904 1.83 1.0E-106 U84675.2 NT	28906 2.01 1.0E-106 BE260201.1 EST HUMAN	29041 8.05 1.0E-106 AIZ76526.1 EST HUMAN	27700 1.84 1.0E-106 4504184 NT	27701 1.84 1.0E-106 4504184 NT	28128 1.18 1.0E-106 BE384296.1	5.7 1.0E-106 AB037747.1 NT	29205 5.7 1.0E-106 AB03774	16422 29438 2.6 1.0E-106 8922965 NT	16422 29439 2.5 1.0E-106 8022065 NT	16628 29648 1.04 1.0E-106 AB008681.1	29701 1.07 1.0E-106 AB033104.1 NT	29702 1.07 1.0E-106 AB033104.1 NT	17301 30283 9.2 1.0E-106/AW974650.1 EST HUMAN	17301 30294 8.2 1.0E-106 AW974650.1	17858 30840 2.27 1.0E-106 BE144286.1 EST_HUMAN	18684 31701 2.95 1.0E-106 AA781155.1 EST_HUMAN	1916H 32480 0.95 1.0E-106/AU130113.1 EST HUMAN	19161 32481 0.96 1.0E-106 AU130113.1 EST HUMAN	19209 32529 0.81 1.0E-106 AA434168.1 EST_HUMAN	19296 32831 1 1.0E-106 AU143428.1 EST_HUMAN	19298 32832 1 1.0E-108 AU143428.1	19402 32752 8.39 1.0E-106 BF679574.1 EST_HUMAN
	-	14885	14906	<u> </u>	1	-	15522	L.	1_	L	L	L	L	L	Ì.	<u> L</u>				<u>l</u>		L	١	l			1_	<u> L</u>		ı	
	Probe SEQ ID NO:	1736	1	4046		2 3	2394	2574	2687	2669	2815	2886	2888	ig X	3007	3007	3248	3248	346	3527	3527	4149	4149	4723	202	4076	5978	6028	6116	6116	8227

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Most Similar Top Hit Acession (Top) Hit Top Hit Acession Signal BLASTE No. Source	11436432 NT	1.0E-106 11436432 NT	1.0E-106 AL039886.1 [EST_HUMAN	¥	EST HUMAN	S.1 EST_HUMAN	2.06 1.0E-106 J05200.1 NT	2.06 1.0E-106 J05200.1 NT	EST HUMAN	10882.1 EST HUMAN	1.89 1.0E-106 BE010882.1 EST_HUMAN	410405.1 EST_HUMAN	1.0E-106 BE894488.1 EST_HUMAN	1.97 1.0E-106 BE894488.1 EST_HUMAN	3.71 1.0E-106 BE695905.1 EST_HUMAN	1.0E-107 AJ271735.1 NT	1.0E-107 X60459.1 NT	1.0E-107 4826863 NT	1.0E-107 AF166103.1 NT	1.02 1.0E-107 X60459.1 NT	1.38	0 7: 1 0E-107 AE154121.1 NT	1.06 1.0E-107 AB032253.1 NT	3.81 1.0E-107 BF087405.1 EST_HUMAN	5.42 1.0E-107 AF136275.1 NT	1.52 1.0E-107 AB007922.2 NT	1.52 1.0E-107 AB007922.2 NT	3.77 1.0E-107 U13729.1 NT	4.03 1.0E-107 AW842461.1 EST_HUMAN	4.03 1.0E-107 AW842451.1 EST_HUMAN		6.14 1.0E-107 AW842451.1 EST_HUMAN	28352 2.9 1.0E-107 5902097 NT Hamo sapiens SM 13 (suppressor or min two 3, yeasy normony 2 (SM 1-3-12), in u.v.
ORF SEQ Expressic ID NO: Signal																4																	28352
Exan SEQ ID NO:	197 23532	197 23532	10878 23712	10807 23840	L	1	<u> </u>	L	11694 24692	١.	L	L				L	275 13493	L	L		14084	<u></u>	丄		1_	1887 15031	L	L	L	2435 15563	L		3169 16344
Probe SEO ID NO:	10497	10497	Ę	É	ξ	٤	11317	17,	11	1	=	18	1 2	12,	12							L	۲	۲		٢			100		6	<u></u>	ຶ

Page 448 of 550 Table 4 Single Exon Probes Expressed in Placenta

	Top Hit Descriptor	Homo seniens myctubularin (MTM/1) gene, exch 9	CET 281415 MAGE resentences. MAGK Homo saplens cDNA	ANALYSERET NIH MIGC 65 Hamp sablens CONA clone IMAGE:3846494 5	III UE BAIO ANT ABALTIT A NIH MGC 60 Homo sepiers cONA clone IMAGE:3078310 5	DINITIE BIND AR A DRAIL IT A NITH MGC 50 Homo serviens aDNA done IMAGE:3078310 5	LESKA WILL CARD KIM11 Hamp septems cDNA clone INAGE-2384791 31	United States in RNA for dynein heavy chain (DNAH9 gene)	Homo serviews mRNA for dynein heavy chain (DNAH9 gene)	A H 22ARG MAMMA1 Homo septems CDNA clone MAMMA1002433 5	CVI UTBEAGLANCED-107-c10 HT0516 Homo sapiens cDNA	CAN 1711 UST CAN CALL Home septems CONA clone IMAGE: 2108363 3' similar to SW:AACT_DICDI	POSOS ALPHAACTININ 3, NON MUSCULAR;	Homo sepiens neuroendocrine specific protein (NSP) gene, awni 4	602/23963F1 NIH MGC 56 Home seprens COLIN COLIN INA GENERAL SECOND 5	DIOGRAPH NIH MIGC. IN THAIR SEPARATE CONTRACTOR AND A SEPARATE CONTRAC	Home septems HSF CASE protein (NSF CASE), mistar	Hamo septents Inch Code matter N234HR Hamo septens cDNA done IMAGE:361944 3' similar to contains THR.b1	THR repetitive dement; THR repetitive dement; Companyed MILL MIC 7 Home seniors CONA clone INAGE:3837188 5	6013020227 1 NILL MCC 17 Homo sepiens o'DNA done IMAGE:3532348 5	University NES dene	AN 1671914F1 NIH MGC 20 Homo sapiens cDNA clane IMAGE:3954939 5	#01-40 NCI CGAP P/28 Homo sapiens, cDNA clone IMAGE-2248838 3' similar to gb:M14219 BONE	PROTEOGLYCAN II PRECURSOR (HUMAN);	#31e/10x1 NCI_CGAP_P728 Homo septens curve diging market. Lincold of the control of the curve of		bb25b10x1 NIH_MGC_14 Homo saptens dDNA done IMAGE:2963999 3' striller to gb:X63777 60S paracentati ppontein   28 (HilliaAN); db:J05277 Mouse headdinase mRNA, complete eds (MOUSE);	Homo serviens Kruppel-like factor 8 (KLF8), mRNA	Homo sapiens potessum channel subunit (HERG-3) mRNA, complete ods	Homo sepiens potessum channel subunit (HERG-3) mRNA, complete cds	
	Top Hit Database Source		1400000	Т	7			HOMAN	N.	700	Т	EST HUMAN	EST HUMAN	П	П	EST HUMAN			HUMAN	Т	EST HOMAN	TUINTAN	Т	EST_HUMAN	MANUAL TOTAL	ESI HOMAN		EST HUMAN		2 5	
	Top Hit Acession No.		271.1	39038.1		7				T	1	1.0E-107 BE168728.1	4 0E-107 At392850.1		1.0E-107 BF666511.1	3E540550.1	1	11419701 NT	1.0E-107 AA001415.1	BE798189.1	1.0E-108 BE298042.1	Y18000.1	1.0E-108 BF028728.1	1.0E-108 A1686040.1		1.0E-108 AI686040.1		1.0E-108 BE206694.1 ES	00000	1.0E-108 AF03Z897.1	1.0E-108 Artus 2097.1
}	Most Similar (Top) Hit T BLAST E		1.0E-107 A	1.0E-107 AW90	1.0E-107 BE867469.1	1.0E-107 A	1.0E-107 A	1.0E-107 AI765078.1	1.0E-107 AJ404458.1	1.0E-107	1.0E-107	1.0E-107	4 OF-407	1.0E-107 LA9141.1	1.0E-107	1.0E-107 BES	1.0E-107	1.0E-107	1.0E-107	1.0E-107 BE7	1.0E-108	1.0E-108 Y18000.1	1.0E-108	1.0E-108		1.0E-108					╛
	Expression Signal		4.89	0.64	271	1.33	1.33	1.36	0.69	0.59	. 0.99	1.92	800	88	23	3.94	4.29	4.29	7.14	1.24	1.72	2.41	1.02	1211		1211					19.0
	ORF SEQ E		30087	32235	32493	34067	34068	34247	34467	34488	36299	37604	COOLO	3/00/2	37907					31920			28398	Separe		28666				3 29614	
	Exan SEQ ID NO:		17080	18935	19171	20593	20563	1	ı	20961	ı	23973		24020		L	1_	1_	<u> </u>	L	14160	14450	15276	45590		15538	· 	15626			16598
	Probe SEQ ID NO:		3931	5742	9805	252	252	88	6062	7909	9587	10889		400	2001	44000	3	11676	12822	13211	977	1294	24.8		)OFS	2407		2499	3025	3430	3430

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Top Hit Descriptor	h12a11x1 NCI_CGAP_GU1 Homo sapiens cDNA clone IMAGE.2972060 3' similar to SW:3BP1_MOUSE P56194 SH3-BINDING PROTEIN 3BP-1.:	Human hepatocyte nuclear factor 4-eipha gene, exon 2	Human hepatocyta nuclear factor 4-alpha gene, econ 2	Homo sepiens KIAA0187 gene product (KIAA0187), mRNA	UI-HF-BNO-eln-e-04-0-UI:11 NIH_MGC_60 Hamo sapiens cDNA clone IMAGE:3080168 5	Homo sepiens PSN1 gene, alternative transcript	RCX-HT0372-241199-031-d03 HT0372 Homo sapiens cDNA	601444922F1 NIH_MGC_65 Hamo septens cDNA clane IMAGE:3848980 57	601444922F1 NIH_MGC_65 Hamo septens cDNA clane IMAGE:3848980 5	Homo sapiens familial mental retardation protein 2 (FMR2) gene, expn 20	PM4-CT0403-240700-001-c10 CT0403 Homo sepiens cDNA	Homo sepiens FYVE domain-containing dual specificity protein phosphatase FYVE-DSP2 mRNA, complete eds	Homo sapiens FYVE domain-containing dual specificity protein phosphatase FYVE-DSP2 mRNA, complete cds	Homo sepiens cavadin-1/2 tocus, Config1, D7S522, genes CAV2 (excrs 1, 2a, and 2b), CAV1 (excrs 1 and 2)	PMA-CT0403-240700-001-010 CT0403 Homo saplens cDNA	Homo saplens E6-AP ubiquitin-protein ligase (UBE3A) gene, evan 4	Homo septens E8-AP ubiquitin-protein ligase (UBE3A) gene, exen 4	Homo capiens G protein-coupled receptor, family C, group 5, member B (GPRC5B), mRNA	Homo sapiens delta-6 fathy acid desaturase (FADSD6) mRNA	601113471F1 NIH_MGC_16 Homo sepiens cDNA clone MAGE:3354064 5'	602043384F1 NCI_CGAP_Bm67 Homo sapiens cDNA clone IMAGE:4181037 5'	602043384F1 NCI_CGAP_Bm67 Homo sepiens cDNA cione IMAGE:4181037 5'	Homo sapiens connective tissue growth factor-like protein precursor, mRNA, complete cds	ULHF-BMO-eds-e-12-0-UI.r1 NIH_MGC_38 Homo sepiens aDNA dane IMAGE:3062878 6	UHHF-BM0-eds-e-12-0-UI.r1 NIH_MGC_38 Homo sepiens cDNA done IMAGE:3082878 57	Homo sapiens ETS-family transcription factor EHF (EHF) mRNA, complete cds	283 6' similar to PIR:A45773	Homo sepiens similar to high-mobility group (nonhistone chromosomal) protein 4 (H. sepiens) (LOC63446), EmPNA
Top Hit Database Source	EST_HUMAN		Į.		EST_HUMAN	Г	EST_HUMAN	EST_HUMAN		Г	EST_HUMAN	Į,	Į,	NT (2)	EST HUMAN							T_HUMAN	<b> </b>	HUMAN	EST_HUMAN C		EST HUMAN A	
Top Hit Acession No.	1.0E-108 AW664438.1	U72961.1	1.0E-108 U72961.1	7661979 NT	1.0E-108 AW504799.1	8005.1	AW384094.1	1.0E-108 BE869016.1	BE869016.1	AF012623.1	1.0E-108 BF334861.1	1.0E-108 AF284717.1	1.0E-108 AF284717.1	2289.1	4861.1	6708.1	6706.1	11431857 NT	4758333 NT	2607.1	8912.1	8912.1	3500.1		1.0E-108 AW408694.1	3977.1	74.1	11428155
Most Strailer (Top) Hit BLAST E Vælue	1.0E-108	1.0E-108 U72981.1	1.0E-108	1.0E-108	1.0E-108	1.0E-108 AJ00	1.0E-108 AW3	1.0E-108	1.0E-108 BE86	1.0E-108 AF01	1.0E-108	1.0E-108	1.0E-108	1.0E-108	1.0E-108 BF33	1.0E-108 AF01	1.0E-108 AF01	1.0E-108	1.0E-108	1.0E-108 BE25	1.0E-108 BF52	1.0E-108 BF52	1.0E-108 AF08	1.0E-108	1.0E-108	1.0E-108 AF2X	1.0E-108 N449	1.0E-108
Expression Signal	1.57	2.62	2.62	3.37	0.63	3.18	1.24	2.56	2.56	0.66	0.74	6.14	6.14	1.22	1.09	0.64	0.64	4.52	212	1.32	0.73	6.73	1.72	0.61	0.61	0.77	0.48	8.
ORF SEQ ID NO:		30765	30766	31040		31166	31839	31916	31917		32644	32789	32790	32921	32644	33302	33303	33850	34143	34163	34218	34210		34910	34911	36869	35912	37500
Exan SEQ ID NO:	17418	17783	17783			18191			18838		19304	19441	19441	19561	10801	19909			_1	20715	20739	20739	21336	21388	21388	22324	22363	23880
Probe SEQ ID NO:	4273	4647	4647	4927	5037	5063	\$598	5644	5844	6049	6125	2929	6267	6392	6480	6763	6753	7308	7597	7646	7674	7874	8254	8306	9088	0247	9287	10847

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					Build	e Exon Prope	Single Exon Probes Expressed in Placenta
Probe SEQ ID NO:	SEQ ID NO:	ORF SEQ ID NO:	Expression: Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
10904	21037	34549	209	1.0E-108	BE535227.1	EST_HUMAN	601058769F1 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:3445361 5
11066			2.67	1.0E-108 Y124	Y12490.1	N	Hamo sapiens mRNA for Golgi-associated microtubule-binding protein (GMAP-210)
11319	24382	38027	1.35	1.0E-108	1.0E-108 AFZZ3391.1	NT	Homo sapiens calclum channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial ods, alternatively spiced
11549			3.46		1.0E-108 AW966185.1	EST_HUMAN	EST378258 MAGE resequencee, MAGI Homo sepiens cDNA
11605			1.71	L	1.0E-108 AV708790.1	EST_HUMAN	AV708790 ADC Hamo sapiens cDNA dane ADCAEE03 5
11605	24658		1.71	1.0E-108	1.0E-108 AV708790.1	EST_HUMAN	AV708790 ADC Homo sapiens cDNA done ADCAEE03 5
11652	24731	į	277	1.0E-108	11441465 NT	IN	Hamo sapiens G protein-coupled receptor 48 (GPR48), mRNA
11688	1558	28982	2.39	1.05-108	1.0E-108 AI685040.1	EST_HUMAN	1991 610 X1 NGLCGAP_P728 Hamo sepiens cDNA clane IMAGE:2248838 3' similar to gb:M14219 BONE PROTEOGLYCAN II PRECURSOR (HUMAN);
11688	15538	28686	. 289	1.0E-108 A1882	A1686040.1	EST HUMAN	1971-10.x1 NCI_CGAP_P728 Hamo sepiens cDNA clans IMAGE:2248938 3' similar to go:M14219 BONE PROTEOCLYCAN II PRECURSOR (HUMAN):
11712		'	1.72	1.0E-108	1.0E-108 D63539.1	Þ	Homo sepiens COL4A6 gene for a6(IV) collagen, each 23
12400			4.15	1.0E-108	2	٦	Homo saplens mRNA for FLU00037 protein, partial cds
12940	25018		5.09	1.0E-108 BF34	BF346356.1	EST_HUMAN	602018571F1 NCI_CGAP_Bm67 Homo saplens cDNA clone IMAGE:4154297 5
43	13281	26287	1.01	1.0E-109	03116.1	EST_HUMAN	IL2-UN0077-280400-079-D06 UM0077 Homo saptens dDNA
88				1.0E-109 D869	74	M	Human mRNA for KIAA0220 gene, pertial cds
225			3.34	1.0E-109	11422486 NT	M	Homo saplens hypothetical protein FLJ11316 (FLJ11316), mRNA
236			2.77		11438391 NT	Į.	Homo sepiens reticulocalbin 1, EF-hand calcium binding domain (RCN1), mRNA
479		28705	2.28	1.0E-109	4507712 NT	¥	Homo sapiens tetratricopeptide repeat domain 2 (TTC2) mRNA
611			14.77	1.0E-109 AB02		Z	Homo sapiens mRNA for KIAA0909 protein, partial ods
611			14.77	1.0E-109		NT	Homo saplens mRNA for KIAA0899 protein, partial cds
1037		27262	1.62	1.0E-109	2	된	Homo sepiens chromosome 21 segment HS210049
1220		27451	8.5	1.0E-109		TN	Homo saplens nucleolar phosphoprotein B23 (NPM1) mRNA, complete cds
1230	14389	27451	6.38	1.0E-109	1.0E-109 M28699.1	LN	Homo sapiens nucleolar phosphoprotein BZ3 (NPM1) mRNA, complete cds
1573	14728	27806	0.99	1.0E-109 BE29	BE293673.1	EST_HUMAN	601186922F2 NIH_MGC_15 Hamo sepiens cDNA clane IMAGE:2959636 5
1573		27807	0.89	1.0E-109 BE29	BE293673.1	EST_HUMAN	601186922F2 NIH_MGC_15 Hamo sapiens cDNA clone IMAGE:2959636 57
1923			23	1.0E-109	1.0E-109 D13643.2	NT	Homo sapiens mRNA for KIAA0018 protein, partial cds
2314	15446		5.46	1.0E-109	1.0E-109 AL 163284.2	NT	Homo sapiens chromosome 21 segment HS21C084
2326	16457	28589	3.65	1.0E-109 Y171	Y17123.1	NT	Homo saplens SNF5/INI1 gene, exxn 6
2687	15807	28923	19.35	1.0E-109	1.0E-109 A1022328.1	EST_HUMAN	ow95801 x1 Scares_fetal_fver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:1654536 3' similar to TR:002197 002197 CIRCULATING CATHODIC ANTIGEN.;
2687	15807	28824	19.35	1.0E-109	1.0E-109 AI022328.1	EST HUMAN	ow85s01.x1 Soares_fetal_Ner_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:1654536 3' similar to TR:002197 002197 CIRCULATING CATHODIC ANTIGEN.;

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	Top Hit Descriptor	Homo sapiens guanylate cyclasse activator 1A (retina) (GUCA1A) mRNA	J2816F Human fetal heart Lambda ZAP Express Homo sapiens cDNA done J2816 6 similar to ZINC FINGER PROTEIN ZNF43	CMA-NN0009-190400-150-f10 NN0009 Homo sepiens cDNA	CM3-NN0009-190400-150-f10 NN0009 Homo septens cDNA	Homo saplens refind dehydrogenase homolog isoform-1 (RDH) mRNA, complete cds	MR0-HT0209-110400-108-e04 HT0209 Homo sepiens cDNA	ts98e06.x1 NCI_CGAP_GC6 Home septens cDNA clone IMAGE:2239330 3' similar to WP:F53A2.8 CE16100 ;	Homo sapiens guanylate cyclass activator 1A (retina) (GUCA1A) mRNA	Homo saplens KIAA0377 gene product (KIAA0377), mRNA	801186922F2 NIH_MGC_15 Homo septens cDNA clone IMAGE:2958636 57	601186922F2 NIH_MGC_15 Homo sapiens cDNA clone IMAGE:2959636 5	AU137282 PLACE1 Hamo sapiens cDNA clone PLACE1006159 51	602136446F1 NIH_MGC_83 Hamo sapiens cDNA dane IMAGE:42729225	Homo saplens placental protein 11 (serine proteinase) (P11) mRNA	RC1-HT0615-200400-022-404 HT0615 Hamo saplens cDNA	CMH-UT0038-060900-399-h07 UT0038 Homo saplens cDNA	RC1-HT0615-200400-022-d04 HT0615 Homo sapiens cDNA	qg86h08.x1 Soares_NFL_T_GBC_S1 Hamo sapiens cDNA clane IMAGE:18421113'	Homo saplens myosin, heavy polypeptide 4, skeletal muscie (MYH4), mRNA	Homo sapiens myosin, heavy polypeptide 4, skeletal muscle (MYH4), mRNA	Hamo sapiens mRNA for KIAA1591 protein, partial cds	Homo sapiens AT-binding transcription fector 1 (ATBF1), mRNA	601809495F1 NIH_MGC_18 Homo sapiens cDNA clone IMAGE:4040279 5	601809495F1 NIH_MGC_18 Homo sapiens cDNA clone IMAGE:4040279 5	Novel human gene mapping to chomosome 13	PMO-BT0340-091299-002-e05 BT0340 Homo sapiens cDNA	7B18H01 Chromosome 7 Fetal Brain cDNA Library Homo sapiens cDNA clone 7B18H01	601479417F1 NIH_MGC_68 Homo sapiens cDNA dane IMAGE:3882124 5	601479417F1 NIH_MGC_68 Homo sapiens cDNA done IMAGE:3882124 5	ILO-HT0205-071199-142-g01 HT0205 Homo sapiens cDNA	ys90g08.11 Soares retina N2b5HR Homo sapiens cDNA clone IMAGE:222110 5 similar to SP:A53491 A53491 BUMETANIDE-SENSITIVE NA-K-C1 COTRANSPORTER - SPINY;
	Top Hit Destabase Source	F	EST HUMAN	EST HUMAN	EST_HUMAN	ΝĽ	EST_HUMAN	EST HUMAN	Ę	F	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	Ę	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	TN	H	노	EST HUMAN	EST_HUMAN	TN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
	Top Htt Acession No.	4504208 NT		893192.1		40698.1	1.0E-109 BE146144.1	1.0E-109 AI655417.1	4504206 NT	7682083 NT	1.0E-109 BE293673.1	1.0E-109 BE293673.1	4U137282.1	1.0E-109 BF673718.1	. 5174622 NT	3E178356.1	3F379688.1	3E178356.1	1.0E-109 A1221385.1	11024711 NT	- 11024711 NT	1.0E-109 AB046811.1	11432574 NT	3F182707.1	3F182707.1	1.0E-109 AL 049784.1	4W749130.1	1.0E-109 AA077408.1	3E787540.1	3E787540.1	3E145672.1	184860.1
	Most Similar (Top) Hit BLAST E Value	1.0E-109	1.0E-109 N85180.1	1.0E-109 AW	1.0E-109 AW	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109 AU1	1.0E-109	1.0E-109	1.0E-109 BE1	1.0E-109 BF37	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109 BF1	1.0E-109 BF1	1.0E-109	1.0E-109 AW	1.0E-109	1.0E-109 BE7	1.0E-109 BE7	1.0E-109 BE1	1.0E-109 H84860.1
	Expression Signal	268	3.37	2.08	2.08	1.1	1.31	4.35	2.67	1.7	0.72	0.72	29.0	0.92	282	1.23	123	1.41	0.85	0.69	0.69	29'0	3.75	4.91	4.91	1.35	1.30	2.84	4.36	4.36	0.57	1.65
	ORF SEQ ID NO:	28925	28314					30395		30839	31252	31253	31480	31445	31604		32556		33269		33652	83833	34288	34290	16248	34970	96058		35549	35550	35797	36077
	Exan SEQ ID NO:	15808	16304	ł	ı	16770	17104	17409	17863	17857	18287	18287	18584	18577	18628	18917	25817	18917	19878	20222	20222	20467	20799	20801	20801	21447	21561	21836	22011	22011	22255	22513
	Probe SEQ ID NO:	2888	3126	3475	3475	3606	3945	4284	4524	4722	5165	5165	5361	5374	5428	5724	0909	6119	6721	2069	2069	7389	7738	7740	7740	8366	8480	2988	8932	8932	1116	9439

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Top Hit Descriptor	601289760F1 NJH_MGC_8 Hama saplens cDNA clone NAGE:3620030 5	601289760F1 NIH_MGC_8 Hama sapiens cDNA clane IMAGE:3620030 5'	HSCYEC121 normalized Infant brain cDNA Homo eaplens cDNA clone c-1ec12	601063030F1 NIH_MGC_10 Hamo sapiens cDNA dane IMAGE:3449599 5	601063030F1 NIH_MGC_10 Homo saplens cDNA clone IMAGE:3449599 5	602080724F2 NIH_MGC_81 Homo sapiens cDNA clone IMAGE:4245341 5	AU121370 HEMBB1 Hamo sepiens aDNA clone HEMBB1002630 5'	Homo sapiens Chediak-Higashi syndrome 1 (CHS1) mRNA	#508b12.rf Scares_fetal_lung_NbHL19W Home sapiens cDNA done IMAGE:301439 6' similar to PIB-343090 543090 p.E.L.bate stress-activated protein kinasess - rat	TOTAL OF THE PARTY	INCAROST INCL. COMP. LIZE FIGURO SEPTETS CLITIN GOTE IMPLIEZZACIOSOS S SITTEMENO INCLUSO 124 COSTICE. Y COSTICE Y COSTICE COST	DKFZp7611124_r1 761 (synanym: hamy2) Hamo sapiens cDNA clane DKFZp76111124 5	Homo sapians single-minded (Drosophila) homolog 1 (SIM1), mRNA	Homo sapiens mRNA for KIAA0463 protein, partial cds	Homo saplens SNF5/INM gene, excn 6	Homo saplens SNF5/INM gene, excn 6	Homo sapiens gene for AF-6, complete cds	Homo sepiens deiodinese, todoffnyrortne, type II (DIO2), transcript varient 2, mRNA	Homo sapiens leucine-zipper-like transcriptional regulator, 1 (LZTR1), mRNA	Homo sapiens leucine-zipper-tite transcriptional regulator, 1 (LZTR1), mRNA	Homo sepiens deiodinesse, todothyronine, type II (DIO2), transcript varient 2, mRNA	Human mRNA for inward rectifier potassium channel, complete cds	Human dystrobrevin (DTN) gene, excn 20	Homo saplens calcitonin receptor-IFce (CALCRL) mRNA	Homo sapiens BAZ1B mRNA for bromodomain adjacent to zinc finger domain 1B, complete cds	601237545F1 NIH_MGC_44 Hamo septens aDNA done IMAGE:3609683 5	UHHBI4-ecs-b-05-0-UI.s1 NCI_CGAP_Sub8 Homo septems aDNA dane IMAGE:30857843'	Homo sapiens chondroitin suffate proteoglycan 4 (melanoma associated) (CSPG4), mRNA	Homo sapiens Brutan's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein	(L44L) and F1P3 (F1P3) genes, complete cds	Homo sapiens pregnancy-zone protein (PZP), mRNA	Homo sapiens pregnancy-zone protein (PZP), mRNA	Human autoimmune antigen small nuclear ribonucleoprotein E pseudogene
Top Hit Defabase Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	¥	HOT LIMAN		EST_HUMAN	EST_HUMAN	F	NT	NT.	TN	NT	TN	Ϋ́	H	NT.	NT	H	NT	Ħ	EST_HUMAN	EST_HUMAN	F	1	호	LN L	N.	LN
Top Hit Acession No.	7068.1	7068.1	14.1	1.6060	1309.1	1.0E-109 BF694831.1	1.0E-109 AU121370.1	4502838 NT			5560.1	9824.1	11418618 NT	7832.1	23,1	23.1	1399.1	7549804 NT	5803073 NT	5803073 NT	7549804 NT	D87291.1	U84550.1	5031620 NT	2253.1	9477.1	8896.1	88		27.1	11436041 NT	11436041 NT	18.1
Most Similar (Top) Hit BLAST E Vatue	1.0E-109 BE39	1.0E-109 BE39	1:0E-109 F0660	1.0E-109 BE54	1.0E-109 BE54	1.0E-109	1.0E-109	1.0E-109	4 OF 400 W48640 4	1.01-108	1.0E-109 BE04	1.0E-109 AL11	1.0E-109	1.0E-109 AB00	1.0E-109 Y171	1.0E-109 Y171	1.0E-109 ABO1	1.0E-110	1.0E-110	1.0E-110	1.0E-110	1.0E-110		1.0E-110	1.0E-110 ABOS	1.0E-110 BE37	1.0E-110 BF50	1.0E-110		1.0E-110 U780	1.0E-110	1.0E-110	1.0E-110 M159
Expression Signal	0.64	0.64	1.37	1.8	1.8	19.68	1.57	2.18	4	α,	29,	1.5	1.31	226	232	32	8.36	1.4	3.96	3.96	1.83	131	<b>2</b> .	0.80	1.02	1.51	1.66	7.10		1.48	2.66	2.66	1.09
ORF SEQ ID NO:	36184	36185	36304	37730			38109	38422	<u>ا</u> .	20000	38569	38636	38673	38810	28589	28589	32036	26242	26281	26282	26242	26555	28757	27429	27532	28217				٠	29457		30449
Exan SEQ ID NO:	22615	22615	22734	24092			24448	24730	<u> </u>	74087	24872	24034	24969	25106	15457		25508	13242	13276	13276	13242	13621	13733	14369	14484	15116	15256	16081	l		16438	16438	17463
Probe SEQ ID NO:	9550	8650	8685	11013	11013	11046	11387	11651		3	11884	11948	11984	12128	12397	12636	12762	3	38	88	112	306	₹ 8	1207	1308	1973	2118	2903		3150	3264	3264	4320

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					,		
SEO B SO ON SO ON	SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vailue	Top Hit Acessian No.	Top Hit Dafabase Source	Top Hit Descriptor
4758	17893	30872	204	1.0E-110 Al01	A1017213.1	EST_HUMAN	ou32b10.x1 Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:1627983 3' stimiter to SW:N121_RAT P52591 NUCLEAR ENVELOPE PORE MEMBRANE PROTEIN POM 121;
4777	17912	20897	3.01	1.0E-110 AU1	AU117812.1	EST_HUMAN	AU117812 HEMBA1 Hamo sapiens cONA clane HEMBA1002241 S
2088	18216		2.28	1.0E-110	7862441 NT	NT	Homo sepiens KIAA1002 protein (KIAA1002), mRNA
5409	18611		223		1.0E-110 BE299406.1	EST_HUMAN	601118710F1 NIH_MGC_17 Hamp septiens cDNA clane IMAGE:3028538 5
5843	19033		0.78		윘	EST_HUMAN	601483677F1 NIH_MGC_70 Homo sapiens cDNA clone IMAGE:3895795 5
6860	19050		8.61	1.0E-110	11418323 NT	Ę	Homo sepiens hypothetical protein FLJ10300 (FLJ10300), mRNA
2860	19050	32357	8.61	1.0E-110	11418323 NT	NT	Homo sapiens hypothetical protein FLJ10300 (FLJ10300), mRNA
8828	25835	33421	5.43	1.0E-110 M55	1121	NT	Human cystic fibrosis transmembrane conductance regulator (CFTR) gene, exon 7
7179	20311	33754	0.59	1.0E-110 BE2	51496.1	T_HUMAN	601108388F1 NIH_MGC_16 Harno capiens cDNA clane IMAGE:3350277 5
7251	20334	33782	0.85		388.1	NT	Human GS2 gene, exon 2
7264	20334	33783	0.85	L.	1.0E-110 U08888.1	M.	Human GS2 gene, excn 2
7477	20552		0.78		Al500289.1	EST HUMAN	th12408.x1 NCI_CGAP_Bin25 Home sapiens cDNA clone IMAGE:2167407 3' similar to SW:ETV1_HUMAN P50549 ETS TRANSLOCATION VARUANT 1;
7583	20655		16.19			EST_HUMAN	AV714276 DCB Hamo sepiens aDNA dane DCBCGE01 5"
7583	20655		16.19	1.0E-110 AV7	14278.1	EST_HUMAN	AV714278 DCB Hamo sepierrs cDNA clane DCBCGE01 57
7813	20883		287	1.0E-110 AB02		NT	Homo sepiens mRNA for KIAA0868 protein, partial cots
7743	20804		96.0	l	1.0E-110 AU137923.1	EST_HUMAN	AU137923 PLACE1 Homo sepiens cDNA clane PLACE1007511 5
9838	22601		1.09	ĺ	1.0E-110 BE302594.1	EST HUMAN	ba68f01.y1 NIH_MGC_20 Homo sepiens cDNA clons IMAGE:2805561 6' similar to TR:077258 077258 EG:114D9.2 PROTEIN.;
<i>1118</i>	22817		246		1.0E-110 AW838394.1	EST_HUMAN	QV2-LT0053-020400-119-604 LT0053 Homo sapiens cDNA
10520	23564	37171	3.38		11432732 NT	NT	Homo septems galactokinase 2 (GALK2), mRNA
10086	24065	Ì	3.2	1.0E-110	1.0E-110 Y12337.1	NT	H. sapiens mRNA for myctonic dystrophy protein kinase like protein
11209	24278		3.64	1.0E-110 BE73	BE734367.1	EST_HUMAN	601565604F1 NIH_MGC_21 Homo sepiens cDNA clone MAGE3840433 5".
11209	24278	37917	3.64	1.0E-110 BE73	BE734367.1	EST_HUMAN	601565604F1 NIH_MGC_21 Hano sapiens cDNA clone IMAGE:3840433 5'
11608	24661	38347	1.89	1.0E-110 M100	M10051.1	NT	Human insulin receptor mRNA, complete ods
-	7,000	27530		7799 077 30 7	FOCHBYYY	NAMIL TOO	zw67g02.r1 Soares_tes8s_NHT Homo sepiens cDNA clone IMAGE:781298 6' cimilar to TR:G1145816
22.5	#1807 25464		2.47	1		EST HIMAN	601439784F1 NIH MGC 72 Homo sepiens cDNA clone IMAGE:3924548 5'
1284	25248		2.86	1.	1.0E-110 AW062268.1	EST HUMAN	LD-BT0163-040899-094-g10 BT0163 Homo sapiens cDNA
12594	25,400		298		1.0E-110 AB011399.1	¥	Homo sepiens gene for AF-8, complete ods
12748	26113		. 6.01		1.0E-110 BF364546.1	T_HUMAN	PM3-NN1082-140900-008-f12 NN1082 Homo sepiens cDNA
13071	15256		1.16		18888	1	UHHBI4-eos-b-05-0-UI.s1 NCI_CGAP_Sub8 Hamo septens cDNA dane IMAGE:30857843'
179	13402		11.92			NT	Humen ribosomel protein L23a mRNA, complete ods

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Top Hit Descriptor	Homo sapiens ras GTP ase activating protein-like (NGAP) mRNA	RATARSOLE I NIH MGC 66 Homo septens CDNA clone IMAGE:3862086 5	Union servines and manufactures critical region gene 1 (CECR1), mRNA	Truit Sequels on 2)2 3) The more than (MYH6) gene, expris 32 to 34	Full Bar Cardiav diplominant (PKEZPA24DAB), mRNA	Hamb seguents UNIVERSAULISO process for the complete rate	Human enkephalin B (effic) gene, extra 4 and 3 litarin and conjugation iMAGE:505045 5 shrillar to	247b07.rl Soares, program, uteus, numero, numero en construction of precursion (HUMAN); gb.M23575 PRECINANCY-SPECIFIC BETA-1 GLYCOPROTEIN C PRECURSOR (HUMAN);	247507, r1 Sogres, pregnant_uterus_NBHPU Homo saparis cunn cuns imnoccoc.oc.oc.oc.oc.oc.oc.oc.oc.oc.oc.o	Т	Т	Т	RELATED PROTEIN RAL-A (HUMAN);	DKFZp434C1815_71 434 (synonym: mass) Homo septems CDNA clane DNA CE-2728525 3	П	III.2-NT0101-28070U-114-EUS NT0101 HOURS SEPTIME CONTROL SEPTIME TO 90:304813		1	protein (nate) and survival motor neuron protein (errun) genes, complete oos			G1286410 11-ZNC-FINGER TRANSCARP IION PACTOR.;	Hamo septens proced to the control of the control o	Human beath-magnin (i) 50-7/ 80-00.	Harib Septem House from 5 profesh bertial cds	T	T	Thurst in the second se	Fumen many in tributur aparez ordani	Т	٦.
Top Hit Defiabese Source	1	TOT LINEAN	NICE I CO	Z	Į.	NT L	NT	EST_HUMAN	1444	TOT TOTAL	ESI TOMAIN	Z	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	ÉST HUMAN		Ę	EST HUMAN		EST_HUMAN	NA NA	Z	N S	Ę	EST HUMAN	Z	Į	Ł	ESI HOMAN
Top Hit Acession No.	TMCOORT	ğ	1.0E-111 BF035327.1	8393092	M25142.1	T981569 NT		AA151017.1		١	5		Al344679.1	1.0E-111 AL 040762.1	AW 294648.1	1.0E-111 BF366228.1	AI761228.1		1.0E-111 UB0017.1	4 OE 444 0 A 7788 R8 1		8		USSESS	11420516 NT	1.0E-111 AK024453.1	1.0E-111 BF214902.1	1.0E-111 X17033.1	1.0E-111 X17033.1	1.0E-111 AF091395.1	1.0E-111 BF333210.1
Most Similar (Top) Hit BLAST E		1.05-111	1.0E-111	1.0E-111	1.0E-111	1.0E-111	1.0E-111 K02268.1	1.0E-111 AA15'		1.0E-111	1.0E-111	1.0E-111 U19969.1	1.0E-111 AI344	1.0E-111	1.0E-111	1.0E-111	4 0E-444 AI784		1.0E-111			1.0E-111 AAZ		1.0E-111							╛
Expression Signal		49.	1.99	4.13	2.5	1,15	4.50	27.5	3	0.75	0.88	99.0	2.09	98.0	131	304	2	2	0.83		0.0	9.0	0.63	3.56	0.98	0.64		15.83			75.0
ORF SEQ ID NO:		26455		26989	27185	20440	30570			31836	32242	32360	3.367B					34204	34340		34888	34889		١.		L		35708			3 36152
SEO ID		13424	13934	13943	14123	47/484			18/90	18788	18941	19052	l	1907	L			20769	20847	<u> </u>	21368	21368	1	L	_		L	1	1		ΙI
Probe SEQ ID		ន	133	292	8	3 8	4440		2000	6693	6749	2882	3	6130 8488	2 avg	7695	3	784	7		8286	8286	8383	8435	8878	8075	1	90085	888	828	9518

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	Top Hit Descriptor	eaBBg02.81 NCI_CGAP_GCB1 Homo saplens cDNA clone IMAGE:825170 3' SIMIRET TO BILLUAZOSO VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A, UBIQUITOUS (HUMAN);	Homo septens RGH1 gens, retrownus-uite destricat.  Homo septens cDNA clone IMAGE:503545 6	231101.11 Soares pregnant Lineau Luci in Comb Homo seriens CDNA clone IMAGE:27302763	Ultrace thembookietin recentre (MPI ) gene extra 123,4,5 and 6	Tuman undirections were described in balanced transposition) 1 (MN1), mRNA	AV THE REPORT OF HOME SERVICE CON COME AD CAOR SE	220 Himmon politics china Tersonal cleaved sublibrary Homo septens cDNA not directional	Library canigate mRNA for neutresin Leicha protein, complete cds	THIS SECTION OF THE ACTION ASSESSED BY ACACED, MRNA	Homo septems except code Lymbol States (SIAR) cens. except	HUMBN BURCACOGNING Action (Spansor) From (StAR) dens. Both 5	Filmen searchagerie actus 195 mm. Crap Subs Home septens cDNA clane IMAGE:3086023 3	ULH-Bit and Office NCI COAP Subs Home sapiens cDNA dane IMAGE:3086023 3	UHT-DIFFEUND CONTROL OF THE CONTROL CO	HOTE SEPTEMBLE TO THE SERIES FOR THE SERVICE OF THE SERVICE DE DESCRIPTION ASSESSMENT OF THE SERVICE OF THE SER	ZINC FINGEN FRO LEW 100	Home Saptisms NIPAWHY process (NIPAMA) mRNA	France September No. 2012 Processing Control of September 1988	PORTION SAMPLES IN IN A ACC. 65 Home series CONA done IMAGE:3846858 5	Homo seplens duramente receptor, tonotropic, kainate 1 (GRIK1) mRNA	WARNEY OF NCY CYSAP Pro2 Homo sapiens cDNA clone INAGE-24183353' similar to gb:///81650_ma1	SEMENOGELIN 1 PROTEIN PRECURSOR (HUMAN);	MR2-810590-090300-113-109 D1039V notice advanta (CRIK4) mRNA	Homo sapiers guitamare receptua, tuttudupta, martial cris	Homo septens mikina tid nukata amadan perdeli oda	Homo sapiens mixiva (d. N. 1941 - 1908), poure voi	y/35d07.r1 Sceres metanocyte Zychim multip septents control to and 3	Homo septens NOUT process (NOUT) garde, course 1, 2, come ONA clone IMAGE:3075658 5	UI-HIT-DRUP-BEST-00-CULTURING 52 Home sapiens CDNA clone IMAGE:3076658 5	AN FOLD TITLE MICH BACK 9 Homo sabians cDNA clone IMAGE:3948557 5	60252849F1 NIH MGC 81 Homo septems cDNA clone IMAGE-4283420 5	
-	Top Hit Detabese Source	T HUMAN	7	Т	HOMAN		W I II II I I I	T	HOMAIN				Т	Т	HOMAN	T	ISSPROI			٦	HOME			T HUMAN			٦	LHUMAN	◂	EST HUMAN	┰	Т	ESI LICIMANI
	Top Hit Accession No.	1.0E-111 AA504160.1			96467.1	劉	8		562.1	35356.1	4501854	103.1	103.1	9039.1	09039.1	57623.1	742	7882125 NT	7682125 NT	1.0E-112 AF248540.1	1.0E-112 BE800859.1	IN OLL POCA	1.0E-112 AI826511.1	1.0E-112 BE076073.1	4504116 NT	1.0E-112 AB037832.1	1.0E-112 AB037832.1	1.0E-112 N46048.1	-	502437.1	₋╽	1.0E-112 BE741666.1	Br6/2013
-	Most Similar (Top) Hit BLAST E Vetue	1.0E-111	1.0E-111 D10083.1	1.0E-111	1.0E-111	1.0E-111 U68	1.0E-111	1.0E-111	1.0E-111	1.0E-111 ABO	1.0E-112	1.0E-112 UZ9	1.0E-112 U29	1.0E-112 BF6	1.0E-112 BF5	1.0E-112 AF1	1.0E-112 P52	1.0E-112	1.0E-112	l	- [	1.0E-112				L	L			Ц			╛
	Expression Signer	1.56	1.04	5.58	1.34	3.29	4.07	4.72	4.82	1.27	277	4.84	4.84	1.82	1.82	33.06	1.40	7.1	7.1	1.11	283	0.76	0.61	0.63	0.68	5.87	6.87		1.33	0.66		0	0.7
	ORF SEQ ID NO:	37000		37127	37707	38006	38828	82028	31855	31539	26820				28861		27308		L	28115	28823		29630			L			L	<u> </u>	32796		9 33132
	SEQ ID	22880	23418	23514	24074	24365	25130	25492	25888	18504	13808	13810	L	L	L	1_		L	L	L	15703	16323	16812	L		1	L	1.	1_		L_		19749
ľ	SEO ED	, user	10383	10479	10995	1280	12167	12741	12881	13041	8	22	53	8	949	1026	1087	1718	1718	1863	2577	3147	2444	000%	47.26	4875	ABOTE	5784		8273	8273	82789	6288

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Single Exon Probes Expressed in Pracenta	Most Similar Top Hit Acession (Top) Hit Top Hit Acession (Dalabase Signal BLAST E No. Signal Value	33323 0.83 1.0E-112 BE273103.1 EST_HUMAN	33324 0.83 1.0E-112 BE273103.1  EST_HUMAN	33637 1.51	33847 0.68 1.0E-112 AL043299.1 EST_HUMAN	34037 1.49 1.0E-112 11416777 NT Homo sapiens solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 (SLC6A7), mRNA	34038 1.49 1.0E-112 11418777 INT Homo sapiens solute carrier family 8 (neurobransmitter transporter, L-profine), member 7 (SLC8A7), mRNA	468 34995 1.0E-112/AU118051.1 EST_HUMAN AU118051 HEMBA1 Home sapiens cDNA clone HEMBA1002773 5	35781 2.64 1.0E-112 BE867835.1	35782	36736 237 1.0E-112BF111413.1 EST HUMAN	37735 18.73	37810 1.31	37811 1.31 1.0E-112 T83967.1	37896 3.14	38077 2.24 1.0E-112 BE280479.1 EST_HUMAN	38153 2.28 1.0E-112,A1792803.1 EST HUMAN	38454	38188 4.78 1.0E-112/AW377670.1 EST HUMAN	38783 1.66 1.0E-112.A/792803.1		38784 1.66 1.0E-112,AI792603.1 EST_HUMAN	1.31 1.0E-112/AF106666.1 N	26987 8.62 1.0E-113 Al365588.1 EST_HUMAN	26988 6.82 1.0E-113 AI365586.1 EST_HUMAN	27199 2.93 1.0E-113 M11965.1 NT	14725 27805 3.23 1.0E-113 A1365586.1 EST HUMAN e095701 x1 Schiller meningiana Homo sapiens cDNA clone IMAGE:1953625 3'
					33847			34695								38077											
	SEQ ID NO:		3 19928	1 20209	5 20387	1 20588	1 20568	7 21468		l	7 23136	L.	3 24175	3 24175		9 24421	8 24489	24480			l		_	$\Box$			
	Probe SEQ ID NO:	8773	8773	6981	7305	7491	7491	8387	9158	9458	10097	11017	11103	11103	11191	11359	11428	44/36	11460	12096		12098	12721	761	761	965	10427

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		_	_	_	_	-	$\overline{}$	_	$\neg$		$\neg$	т		_				F		$\Xi$	1	7	J.	-	T	O	J	16		J	5	
Top Hit Descriptor	Homo sapiens elF4E-transporter mRNA, complete cds	ULH-BW1-ant-f-03-0-UL s1 NCI_CGAP_Sub/ Hano sapiens curv cure intro-co-co-	Horms santens mRNA for putative RNA helicese, 3' end	Hours contents or trigation transcription factor B (B-ATF), mRNA	Truin Saylors activating transcription factor B (B-ATF), mRNA	Horino besperior across a surgery of Homos carriers CDNA clane IMAGE:3872538 6	601406465T I NIT MSC OF INTERCORPER AND A CARB NT 2RP 2000807 5	AU12/214 N12/2 Hours agries of the PLACE2000274 5	A014/28   Force name of months amplete cds	Train separate 1 separate Archive D. celectosamine:polypeptide N. ecety/galactosaminy/transferase 8	(GalNAc-T8) (GALNT8), mRNA (GALNT8),	Homo capiens ATP-binding casseria, sub-taining o (motoria, himming) and management of the property of the prop	Home servines ATP-binding cassedts, sub-family B (MDR/TAP), member 4 (ABCB4), transcript variant B,	mRNA mRNA	Homo saplens guramage receptor, idiouspin, in month. D. espanate 2A (GRINZA) mRNA	Home sapiets guitantate receptor, further provided in the control IAAGE:3608362.5	6011620/3FT NIT MICO 13 TWIN September 2014 Care IMAGE:3508362 5	0011364/AT MILE AND MARKE FI 141006 (FL) 141008). mRNA	Hanno Saprano Inyou server promission of the Saprano Saprano INA MACE: 3627754 5	SOLIZE TO THE MINISTER SOLICE CON A done IMAGE:3627554 5	DOLLAR TAN 34 PARTO 021-002 FT0134 Hano septens cDNA	Home seniens transmembrane protein 2 (TMEMZ), mRNA	Lines society BAN Hinding protein 7 (RANBP7), mRNA	Lorse series RAN binding protein 7 (RANBP7), mRNA	ILLHE BING AKE 10-0-ULT NIH MGC 50 Homo sapiens cONA done IMAGE:3077322 6	TIL HE BND 64-12-0-ULT NIH MGC 60 Homo septens cDNA done IMAGE:3077328 5'	LINEA AND A NO. OCAP GUI Homo saptens CDNA done IMAGE 2869176 5' similar to TR: 060327 060327	KIAA0584 PROTEIN;	P_GU1 Hamo expiens cONA clone IMAGE:28081/0 3 SITIES TO INCOME.	KIAA0584 PROTEIN;		
Top Hit Defablese Source	N-	FST HIMAN					T	Т	HOMAN	Z	NT	<u> </u>		¥	Ę	۲.	EST HUMAN	EST_HUMAN	M	ESI HOMAN	EST HUMAN	ESI HOMAN	2	2	140	FOT THUMEN	ESI HOMAN	EST HUMAN		EST HUMAN	EST HUMAN	¥
Top Hit Acsession No.	T			J223948.1	5453562 NI	5453562		1.0E-113 AU127214.1	U140291.1	F016535.1	11525737 NT		N 647 1966 .	9961249 NT	6006002 NT	8006002 NT	821	3E282161.1 EST_	8922819	1.0E-113 BE382842.1	1.0E-113 BE382842.1	1.0E-113 BE772967.1	1142836/ IN	5453B97 N	545399/NI	AW500517.1	AW500519.1	AW630291.1		AW630291.1	BE292968.1	1.0E-114 Y17151.2
Most Similar (Top) Hit BLAST E	1 0E-113 AF240775.1	1 07 449	1.0E-113 Dr.3	1.0E-113 AJZZ3948.1	1.0E-113	1.0E-113	1.0E-113 BE7	1.0E-113 A	1.0E-113 AU1	1.0E-113 AF0	1.0E-113		1.0E-113	1.0E-113	1.0E-113	1.0E-113	1.0E-113	1.0E-113 BE	1.0E-113	1.0E-113	1.0E-113	1.0E-113	1.0E-113	1.0E-113	1.0€-113	1.0E-113 AW	1.0E-113 AW	4 0E-413 AW				
Expression Signal	8		1.49	2.06	38.66	36.66	2.4	6.37	3.54	1.02	2.57		0.8	0.8	0.68	0.68	9.63	9.63	0.5	29A	2.91	0.62					1.89	4.5		6.42	2.91	0.75
ORF SEQ ID NO:	2007	24-707	28422	20385	31263	31264		31870		32583			32809	32810					Ŀ	35921	35922		36674	36888	36889		38107		STIPS.	38120	5 38272	
SEQ ID		5	15297	16375	18300	L	25930	L	L	L	Ŀ		19458	10458	L			L		<u></u>	L	22656	L	23291		23876	2446	١	24457	24457	١.	
Probe SEQ ID NO:		1883	2161	3200	5178	5178	6359	5610	6045	6072	9019	2010	8285	2008	3778	8448	7474	7474	808	9828	9536	9801	10038	10256	10256	10842	11385		11396	11396	11540	88

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	ORF SEQ Expression (Top) Hit Top Htt And ID NO: Stand	Most Similar (Top) Hit Top	18		Hit Acession No.	Top Hit Database	Top Hit Descriptor
EST_HUMAN  INT  INT  INT  INT  INT  INT  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  INT  INT  INT  INT  INT  INT  INT  I			Value		<u> </u>	Source	
EST_HUMAN  NT  NT  EST_HUMAN  A702 NT  NT  NT  NT	22459 36022 0.87 1.0E-114 BF109832.1	28'0	1.0E-114 BF109	 BF109	832.1	EST_HUMAN	7169g12.x1 Scares_NSF_FB_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:3526847 3° similiar to TR:09UHN6 Q9UHN6 TRANSMEMBRANE PROTEIN 2. ;
NT	22669 1.3 1.0E-114 AW327455.1			AW327	455.1	EST_HUMAN	Jq03f05.x1 NIH_MGC_2 Homo sapiens cDNA clone INAGE:2846744 67
EST_HUMAN A702 NT NT NT NT NT NT NT NT NT EST_HUMAN EST_HUMAN A702 NT EST_HUMAN	34621 2.67 1.0E-114 AF01	2.67 1.0E-114 AFO	1.0E-114 AF0777	AF0777		M	Homo sapiens tyrosine kinase pp60c-src (SRC) gene, exon 12 and partial cds
EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN	1.38 1.0E-114 M13	1.38 1.0E-114 M13	1.0E-114 M13	M13536		NT	Human ceruloplasmin mRNA
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EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN							pa73g12.y1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:2906086 6' similar to gb:X17206 40S RIBOSOMAL PROTEIN S4 (HUMAN); gb:W20632 Mouse LLRep3 protein infRNA from a repetitive element,
EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN 4850 NT 4850 NT 4853 NT EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN A702 NT NT NT NT NT NT NT EST_HUMAN	24106 4.31 1.0E-114 BE302868.1		1.0E-114 BE302888.	BE302666	1	EST_HUMAN	complete (MOUSE);
EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN  EST_HUMAN	24525 38197 8.11 1.0E-114 AV733454.1	8.11	1.0E-114 AV733454.	AV733454.	1		4V733454 cdA Homo sapiens cDNA clone cdABA08 5
EST_HUMAN EST_HUMAN EST_HUMAN H850 NT H850 NT H860 NT H860 NT H860 NT H860 NT H860 NT H860 NT EST_HUMAN H702 NT H702 NT H702 NT H702 NT H703 NT H704 NT H706 NT	24525 38198 8.11 1.0E-114 AV733464.1	8.11	1.0E-114 AV733464.1	AV733464.1			4V733454 cdA Homo sapiens cDNA clone cdABA08 5'
EST_HUMAN 4850 NT 4850 NT 4850 NT 6838 NT 6838 NT 6838 NT 687 NT	38522 6.28 1.0E-114 AV733454.1	628	1.0E-114 AV733454.1	AV733454.1		EST_HUMAN	4V733454 odA Hamo sapiens cDNA clone cdABA08 51
### ### ### ### ### ### ### ### ### ##	38523 6.28 1.0E-114 AV733454.1	628		AV733454.1		EST_HUMAN	AV733454 cdA Hamo saplens cDNA clone cdABA08 5'
4850 NT 4850 NT 8111 NT 8811 NT 7887 NT EST_HUMAN 4702 NT 6702 NT 7702 NT 7702 NT 7702 NT NT NT NT NT NT NT NT NT NT	4.63 1.0E-114	4.63 1.0E-114		1141	8041	TN.	Homo sapiens TNF-Inducible protein CG12-1 (CG12-1), mRNA
### ### ### ### ### ### ### ### ### ##		2.75 1.0E-114	1.0E-114	1100	4850	TN	Homo sapiens hypothetical protein (DJ1042K10.2), mRNA
57838 NT	2.75 1.0E-114	2.75 1.0E-114	1.0E-114 1	1100	4850	N-	Homo saplens hypothetical protein (DJ1042K10.2), mRNA
57838 NT 57887 NT EST_HUMAN EST_HUMAN 6702 NT 74702 NT NT NT NT NT NT EST_HUMAN NT NT NT NT NT NT	26264 3.06 1.0E-115 47	3.06 1.0E-115	1.0E-115	4.	58111	攴	formo sepiens HLA-B associated transcript-1 (DSS81E) mRNA
57887 NT 1 EST_HUMAN EST_HUMAN 64702 NT 74702 NT 74702 NT NT NT NT NT NT EST_HUMAN	1.09 1.0E-115	1.09 1.0E-115		•	505838	LN TN	Horno sepiens polymerase (RNA) II (DNA directed) polypeptide A (220kD) (POLR2A) mRNA
EST_HUMAN EST_HUMAN EST_HUMAN A702 NT A702 NT NT NT NT NT EST_HUMAN	18.42 1.0E-115	18.42 1.0E-115	1.0E-115		557887		Homo saplens keratin 18 (KRT18) mRNA
EST_HUMAN  EST_HUMAN  74702 NT  74702 NT  75794 NT  NT  NT  NT  NT  EST_HUMAN	13519 26552 2.02 1.0E-115 AW804750.1	202	1.0E-115 AW804750	AW804750			2V4-UM0094-300300-156-b08 UM0094 Homo sapiens cDNA
EST_HUMAN 74702 NT 74702 NT 35704 NT NT NT NT NT EST_HUMAN	13742 26766 1.88 1.0E-115 Al339206.1	1.08		Al339206.		EST_HUMAN	tib6f01 x1 NCI_CGAP_GC4 Home septers cDNA done IMAGE:1945809 3' straiter to TR:000636 000636.\(\) TTF INTERACTING PEPTIDE 6;
4702 NT 3702 NT 3704 NT NT NT NT NT EST_HUMAN	13742 26767 1 68 1 0E-115 A1339206 1	89	1 0F-115 AI339206	Alsagage		FST HUMAN	$400001 \times 1 \text{ NCL}$ CGAP_GC4 Homo sapiens cDNA done IMAGE:1946809 3' smilar to TR:000636 000536 $\frac{1}{12}$
MT NT NT NT NT NT NT NT NT NT NT NT NT NT	Z7041 3 1.0E-115	3 1.0E-115			74702	¥	forno sapiens transforming growth factor beta-activated kinase-binding protein 1 (TAB1), mRNA
NT NT NT NT NT EST_HUMAN	1.0E-115	3 1.0E-115			5174702	¥	Homo sapiens transforming growth factor beta-activated kinase-binding protein 1 (TAB1), mRNA
NT NT NT EST_HUMAN	15.24 1.0E-116	15.24 1.0E-116			4603794	¥	Jomo sapiens ferritin, heavy polypeptide 1 (FTH1) mRNA
NT NT EST_HUMAN	14742 27823 1.15 1.0E-115 AF229180.1	1.15	1.0E-115 AF22918	AF22918		¥	formo sepiens alpha-aminoedipate semialdehyde synthese mRNA, complete cds
NT EST_HUMAN	27824 1.15 1,0E-115 AF229180.1	1.15	1,0E-115 AF2291	AF22918		F	formo sapiens alpha-aminoadipate semialdehyde synthase mRNA, complate cds
EST_HUMAN	28140 1.31	131	1.0E-115 U78027.1	U78027.1			forno sapiens Bruton's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein
	15278 28400 . 1.13 1.0E-115 BE745469.1	1.13	1.0E-115 BE74546	BE74546			301579838F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3928832 5

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Table 4
Single Exon Probes Expressed in Placenta

ſ			Γ	П	$\sqcap$					П	_			Г	П				П			Ü	J	ĮŲ:	3			1	7	EH.	H	
	Top Hit Descriptor	601579838F1 NIH_MGC_9 Hamo sapiens cDNA clone IMAGE:3928832 5'	Homo saplens KIAA0442 mRNA, partial cds	Homo saplens testican-1 mRNA, complete cds	QV4-UM0094-300300-158-b08 UM0094 Homo sepiens cDNA	Homo saplens mRNA for alpha-tubulin 8 (TUBA8 gene)	Homo sapiens mRNA for alpha-tubulin 8 (TUBA8 gene)	Homo septens partial TTN gene for titin	Homo sapiens mRNA for KIAA0350 protein, partial cds	Homo sepiens str2-like 3 (SIRT3), mRNA	Homo sapiens EphA4 (EPHA4) mRNA	Novel human mRNA from chromosome 1, which has straitarties to BAT2 genes	Novel human mRNA from chromosome 1, which has similarities to BAT2 genes	Homo sapiens chromosome 21 sagment HS21C068	Homo sepiens chromosome 21 segment HS21C068	Homo saplens putative psihHbC pseudogene for hair keratin, exons 1 to 9	Homo saplens interleuldin 1 receptor, type I (IL1R1) mRNA	Homo sepiens mRNA for KIAA0768 protein, partial cds	EST382416 MAGE resequences, MAGK Hamo sapiens oDNA	602118346F1 NIH_MGC_56 Homo sapiens cDIVA clone IMAGE:4276738 5'	Homo septens similar to ER to nucleus signalling 1 (H. septens) (LOC63433), mRNA	Homo septens similar to ER to nucleus signalling 1 (H. septens) (LOC63433), mRNA	au64g01 x1 Schneider fetal brain 00004 Homo sepiens cDNA clone IMAGE:2519588 3' eimilier to gb:L07807 DYNAMIN-1 (HUMAN);	au64g01 x1 Schneider fetal brain 00004 Homo sepiens dDNA done IMAGE:2518568 3' similar to gb1.07801 DYNAMIN-1 (I-RUMAN);	Homo sapiens sperm surface protein (HSS), mRNA	Homo saplens sperm surface protein (HSS), mRNA	Homo sapiens similar to ribosomal protein S26 (H. sapiens) (LOC83436), mRNA	Homo sapiens KIAA0054 gane product, Helicase (KIAA0054), mRNA	Homo sapiens KIAA0054 gane product; Helicase (KIAA0064), mRNA	riler to		oc31806.x1 Soeres_total_fetus_Nb2HFB_9w Homo sapiens cDNA cione IMACE:16769143'
מסו ווסען	Top Hit Database Source	EST HUMAN	Į,	NT	EST HUMAN	NT	NT	TN	TN	NT.	Į,	NT	NT	Z	NT	NT	Į.	M	EST_HUMAN	EST_HUMAN	Į.	F	EST HUMAN	EST HUMAN	¥	Ę	N	ž	ᅜ	EST_HUMAN	EST_HUMAN	EST_HUMAN
	Top Hit Acessian No.		1.0E-115 AB007802.1	1.0E-115 AF231124.1	1.0E-115 AW804759.1	5922.1	5922.1	7892.1	1.0E-115 AB002348.2	6912659 NT	4758279 NT	6857.1			1.0E-115 AL163268.2	15.1	4504658 NT		1.0E-115/AW970335.1	1.0E-115 BF665387.1	11425128 NT	11425128 NT	1 8	N928788.1	11426786 NT	11426786 NT	11426038 NT	7661883 NT	7661883 NT	196774.1	N076598.1	N076598.1
	Most Similar (Top) Hit BLAST E Value	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115 AJ24	1.0E-115 AJ24	1.0E-115 AJ27	1.0E-115 /	1.0E-115	1.0E-115	1.0E-115 AL09	1.0E-115 AL09	1.0E-116	1.0E-115	1.0E-115 Y192	1.0E-115	1.0E-115 AB01	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115 Al928	1.0E-115 A1928789.1	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-116	1.0E-115 T867	1.0E-115	1.0E-115 AI076
	Expression	1.13	<u>+:</u>	1.11	1.03	288	2.88	1.8	4.2	2.49	4.28	286	286	289	289	1.01	123	26.0	2.8	<b>76</b> .0	1.74	1.74	1.15	1.15	0.68	99.0	9.48	1.68	1.88	0.75	1.24	1.24
	ORF SEQ ID NO:		_	28631		28365	29366	29742	30299	30647	30674	30918	30919	31132	31133	31149	31391	31425	31642	31754	32136	32137	32304			32920	33064	33204	33205	33543		33976
	SEO ID NO:	15278	15286	15505	15090	16359	16359	16726	17305	17660	17695	17932	17932	18166	18155	18172	18421	18460	18663	18737	18853	18853	18998	18938	19560	19560	19690	19817	19817	20127	L.	20505
	Probe SEQ ID NO:	2142	2150	2374	2912	3184	3184	3561	4163	4521	4557	4797	4797	6028	2026	5044	5304	5347	5463	5540	5859	2659	2808	2808	8391	8391	6252	6658	8999	7074	7428	7428

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Probe SEQ ID NO:	Exem SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Detabese Source	Top Hit Descriptor
7246	20329	33775	1	1.0E-118	1.0E-118 AL043781.1	EST_HUMAN	DKFZp43400127_J1 434 (synonym: htes3) Homo sepiens cDNA clone DKFZp43400127 5
7776	20833	34324	4.7	1.0E-118	11431050 NT	٤	Homo sapiens chromosome 2 open reading frame 3 (C2ORF3), mRNA
7790	20846	34330	0.72	1.0E-118 L46690.1	L46690.1	¥	Homo sapiens very long chain acyl-CoA dehydrogenase gene, exons 1-20, complete cds
8159	21241	34761	1.95	1.0E-118 BE7	BE781223.1	EST_HUMAN	601469159F1 NIH_MGC_67 Hamo sepiens aDNA alone IMAGE:3872247 5
8577	21658	35198	7	1.0E-118 BEC	BE062855.1	EST_HUMAN	QVO-BT0263-090200-097-h03 BT0263 Homo sapiens cDNA
222	21658	35199	1	1.0E-118 BE0	BE062855.1	EST_HUMAN	QV0-BT0263-090200-097-h03 BT0263 Homo sapiens cDNA
8683	21664	35204	1.1	1.0E-118	1.0E-118 AA443024.1	EST_HUMAN	zs8d07,r1 Sogres_NhHMPu_S1 Homo sapiens cDNA clane IMAGE:811789 5
8583	21664	35205	1.1	1.0E-118 AA4	AA443024.1	EST_HUMAN	zc98d07_r1 Scares_NhHMPu_S1 Homo sepiens cONA clone IMAGE:811789 5
8873	21962	35488	0.94	1.0E-118		F	Human mRNA for KIAA0383 gene, partial cds
8873	21952	35489	78.0	1.0E-118	1.0E-118 AB002381.1	NT	Human mRNA for KIAA0383 gene, partial cds
8918	21997	35536	1.94	1.0E-118	4557732 NT	L	Homo septens latent transforming growth factor beta binding protein 2 (LTBP2) mRNA
8918	21997	35537	1.94	1.0E-118	4557732 NT	NT	Homo saplens latent transforming growth factor beta binding protein 2 (LTBP2) mRNA
9238	22313	35855	5.15	1.0E-118 BE		EST_HUMAN	601144863F2 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3160502 5
8976	22343	35804	0.55	1.0E-118	1.0E-118 AL048474.2	EST_HUMAN	DKFZp586K1824_r1 586 (synonym: hute1) Homo saplens cDNA clone DKFZp586K1824
9792	22832	36411	1.07	1.0E-118	7857016 NT	LN	Homo sapiens hypothetical protein (DJ328E19.C1.1), mRNA
10541	23576	37184	1.23	1.0E-118 BE7	36213.1		601307146F1 NIH_MGC_39 Hama sepiens cDNA clane IMAGE:3641603 5
10541	23576	37185	1.23	1.0E-118 BE7	36213.1	EST_HUMAN	601307146F1 NIH_MGC_39 Homo saplens cDNA clone IMAGE:3641603 5
10588	23621	37228	1.75	1.0E-118 BF1	95407.1	EST HUMAN	7n17e09x1 NCI_CGAP_Bm23 Homo septens cDNA clone IMACE:3564785 3' similar to SW:ZP3A_HUMAN P21754 ZONA PELLUCIDA SPERMBINDING PROTEIN 3A PRECURSOR:
10752	23785	37399	0.59	1.0E-118	296351.1	П	UI+H-BW0-aio-a-07-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens oDNA clone IMAGE:27297723'
44KK	07970	9000	***	100		Total Follows	EST188814 HCC cell line (matastasis to liver in mouse) II Homo sapiens cDNA 5' end similar to dynein, fight;
11855	24849	38530	200	105-110	1.0E-110 AAS 15007.1	EST LIMAN	MAIN 1, Operation of the content of
11855	24843	38540	292	1.0E-118		Т	601499514F1 NIH MGC 70 Homo septems cDNA clone IMAGE:3901663 57
							hr36a06x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3175474 3' similar to TR:Q9Z2H4
1207	25052	38761	1.81	1.0E-118	18235.1	T HUMAN	Q9Z2H4 G PROTEIN-COUPLED RECEPTOR LGR4.;
1/8	13958	27007	2.46	1.0E-119 AF1	70482.1	Į,	Homo sapiens chloride charnel CLC4 (CIC4) mRNA, complete cds
1002	16028	27284	0.83	1.0E-119	TN05607	날	Homo sepiens CGI-105 protein (LOC51011), mRNA
1987	15129	28232	2.96	1.0E-119	1.0E-119 AB023147.1	NT	Homo saplens mRNA for KIAA0830 protein, partial cds
3171	16346	29353	1.01	1.0E-119	89222205 NT		Homo sepiens hypothetical protein FLJ10052 (FLJ10052), mRNA
3312	16485		2.17	1.0E-119	1.0E-119 AA916760.1	EST_HUMAN	on10b05.s1 NCI_CGAP_Lu6 Homo sepiens cDNA clone IMAGE:1566241 3' similar to WP:E04F6.2
4063	17219	30227	1.22	1.0E-119	4504118 NT	F	Homo seplens glutamate receptor, tonotropic, kainate 1 (GRIK1) mRNA
5453	18653	31632	3.96	1.0E-119 AU1	33399.1	T_HUMAN	AU133399 NT2RP4 Homo sepiens cDNA clone NT2RP4001991 57

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	Top Hit Descriptor	Human neurofibromin (NF1) gene, complete cds	RC1-NN0073-250800-018-g06 NN0073 Homo sapiens cDNA	AV693731 GKC Hamo saplens cDNA dane GKCDHB03 5	DKFZp762M0710_r1 762 (synonym: hmei2) Homo sapiens cDNA clone DKFZp762M0710 5	DKFZp762M0710_r1 762 (synonym: hmel2) Homo sepiens oDNA clone DKFZp762M0710 67	qb77c09x1 Soares_fetal_heart_NbHH19W Homo septems cDNA clone IMAGE:1708128 3' similar to	SWIKTCL MOUSE PO2535 KERATIN, TYPE I CYTOSKELETAL 10;	Homo sepiens matrix metalloproteinase 28 (MM/P28) mRNA, complete ods	Homo sapiens matrix metalloprotetnase 28 (MINP28) mRNA, complete cds	tm23f10.x1 Soares_NFL_T_GBC_S1 Homo septems cDNA clone IMAGE:21574513'	Human c-fes/fps proto-encogene	EST386296 MAGE resequences, MAGM Homo sapiens cDNA	601592005F1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3946081 57	601280564F1-NIH_MGC_39 Homo sepiens cDNA clone IMAGE:3822526 51	Homo sapiens melanoma differentiation associated protein-5 (NDA5), mRNA	Homo sapiens KIAA0477 gene product (KIAA0477), mRNA	q43a11.x1 Soares, bests, NHT Homo sapiens cDNA done IMAGE:17527643' similar to TR:Q13458 Q13458 QUANINE NUCLEOTIDE EXCHANGE FACTOR PROTEIN TRIO.;	8832705.r1 NCI_CGAP_GCB1 Homo sepiens cDNA clone IMAGE:814977 5"	Homo sapiens partial IL-12RB1 gene for IL-12 receptor beta1 chain, exons 18-17	Homo sapiens hypothetical protein FLJ10206 (FLJ10206), mRNA	Homo sepiens hypothetical protein FLJ10206 (FLJ10206), mRNA	601347180F1 NIH_MGC_8 Homo saplens cDNA clone IMAGE:3687887 5	Homo sapiens Sod mRNA for stearcy-CoA desaturase, complete cds	Hamo sapiens partial IL-12RB1 gene for IL-12 receptor beta1 chain, exans 16-17	Homo sapiens partial IL-12RB1 gene for IL-12 receptor beta1 chain, exons 16-17	602/86072F1 NIH_MGC_45 Hamo sapiens cDNA clone IMAGE:4310633 5'	RC3-CT0212-240999-011-f03 CT0212 Hamo sepiens dDNA	H.septens DNA for endogenous retroviral like element	Homo sapiens mRNA for KIAA0758 protein, partial cds	Homo sapiens synapbyanin 1 (SYNJ1), mRNA	Homo sapiens intersectin 2 (SH3D1B) mRNA, complete cds	Homo sepiens intersectin 2 (SH3D1B) mRNA, complete ods	yy40g12.r1 Soares melanccyte 2NbHM Homo sapiens cDNA clone INAGE273766 5
	Top Hit Detabase Source	Z	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST HUMAN	M	NT	EST_HUMAN	Ę	EST_HUMAN	EST_HUMAN	EST_HUMAN	Ę	Þ	EST_HUMAN	EST HUMAN	¥	¥	뒫	EST_HUMAN	N	M	NT	EST_HUMAN	EST_HUMAN	퇴	NT	ΝŦ	NT	NT	EST_HUMAN
8	Top Hit Acessian No.	/89914.1	E936121.1	1.0E-119 AV693731.1	L134603.1	1,134903.1		1150703.1	F315683.1			1.0E-119 X06292.1	W974193.1	E796614.1	E615150.1	11545921 NT	11036643 NT	1149798.1	A465124.1	J297701.1	11425837 NT	41425837 NT	E561987.1	AB032261.1	J297701.1	J297701.1	F569571.1	W847519.1	39211.1	B018301.1	4607334 NT	F248540.1	\F248540.1	(44873.1
	Most Similar (Top) Hit BLAST E Value	1.0E-119 MBB	1.0E-119 E	1.0E-119 A	1.0E-119 AL134603.1	1.0E-119 AL13		1.0E-119 AI150703.1	1.0E-119	1.0E-119 AF31	1.0E-119 A	1.0E-119 X	1.0E-119 A	1.0E-119 BE7	1.0E-119 BE6	1.0E-119	1.0E-119	1.0E-119 A1149796.1	1.0E-119 AA4	1.0E-119 AJZ	1.0E-119	1.0E-119	1.0E-119 BE56	1.0E-119	1.0E-119 A	1.0E-119 AJ29	1.0E-119 BFS	1.0E-119 AW	1.0E-119 X892	1.0E-120 ABO	1.0E-120	1.0E-120	1.0E-120 AF24	1.0E-120 N
	Expression Signal	16.48	3.29	1.61	98.0	98.0		6.7	0.71	0.71	1.22	2.39	4.01	1.09	0.03	0.46	96'0	0.61	2.29	1.13	0.77	0.77	0.59	0.73	1.58	1.58	6.62	5.48	3.03	0.68	76.0	2.74	2.74	3.26
	ORF SEQ ID NO:	31645	31650	31782	32194	32195		32775	32944	32845	32989	33133	33149	34116	35476		36750	36952	37095	37361	37420	37421	37497	37502	38015	38016				28500	26561	27290	27291	27689
	Elean SEQ ID NO:	18688		Ŀ	18900	18900		. 1				19750	1	l	l	l	23149	23346	23487	l				L					29962	13468	13628	14232		
	Probe SEQ ID NO:	2488	5478	<b>6550</b>	5707	5707		8228	8414	6414	6461	6589	<b>6</b>	7568	8882	<b>1988</b>	10111	10311	10452	10722	10786	10786	10844	10849	11308	11308	11479	12490	12845	247	312	1068	1086	1456

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Table 4
Single Exon Probes Expressed in Placenta

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	Top H≹ Descriptor	Homo Bapiene cysteine-rich repeat-containing protein SS2 precursor, mRNA complete cda	Homo sepiens disintegrin and metalloprofesse domain 10 (ADAM10) mRNA	Homo sapiens cene for AF-6, complete cots	Homo sapiens gene for AF-8, complete cds	Homo sapiens synaptojanin 1 (SYNU1), mRNA	Homo sapiens cAMP-specific phosphodiesterase 8A (PDE8A) mRNA, partial cds	Home sapiens cAMP-specific phosphodiesterase 8A (PDE8A) mRNA, partial cds	Homo sapiens starrilocalcin (STC) gene, partial cds	Homo sapiens stanniocaldin (STC) gene, partial cds	602163994F1 NIH MGC_42 Homo capiens cDNA clone IMAGE:4300174 5	602183894F1 NIH MGC_42 Homo sapiens cDNA dane IMAGE:4300174 5	Human TBXAS1 gane for thromboxane synthasa, exon 7	Human gene for neurofilament subunit M (NF-M)	Human gene for neurofilament subunit M (NF-M)	602036352F1 NCI_CGAP_Bm64 Homo saplens cDNA clone IMAGE:4183333 5	Homo eapiens mRNA for KIAA1231 protein, partial cds	Homo sapiens mRNA for KIAA1231 protein, pertial cds	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0495	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0495	Homo sapiens mRNA for KJAA0465 protein, perfial cds	601307739F1 NIH_MGC_44 Homo sapiens cDNA clane IMAGE:3825544 57	601307739F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3625544 5'	601888956F1 NIH_MGC_17 Hamo sapiens cDNA clane IMAGE:4122876 5	AU133205 NT2RP4 Homo sapiens cDNA clone NT2RP4001541 5	Novel human gene mapping to chomosome 13, similar to rat RhoGAP	CM-BT043-090299-075 BT043 Homo sapiens oDNA	Homo sepiens mRNA for KIAA1077 protein, partial cds	601176727F1 NIH_MGC_17 Hamo sepiens cDNA clane IMAGE:3532015 57	801443135F1 NIH_MGC_65 Hamo sapiens cONA clane IMAGE:3847281 5	601443135F1 NIH_MGC_65 Homo sepiens cDNA clane IMAGE:3847281 67	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo sapiens NF2 gene	AU134963 PLACE1 Homo sepiens cDNA done PLACE1000899 5	Homo sapiens TNF receptor-associated factor 1 (TRAF1) mRNA
	Top Hit Databese Source	¥	¥	E	F	¥	Ę	Ę	Ę	F	EST HUMAN	EST_HUMAN	NT	N.	Į.	EST HUMAN	¥	뉟	NT	Į.	N.	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	NT.	EST_HUMAN	EST_HUMAN	EST_HUMAN	F	NT	33.1 EST_HUMAN	47
	Top Htt Acession No.	AF167706.1	TN 0527250	11399.1	11399.1	4507334 NT	6490.1	36490.1		8463.1	8222.1	1222	19.1	17.1	1.0E-120 Y00067.1	17599.1	13057.1	3057.1	7964.1	7964.1					3205.1	9801.1		9000.1	6387.1	7619.1	7619.1	11417862 NT	اندا	اقا	l i
	Most Similar (Top) Hit BLAST E Vatue	1.0E-120 AF16	1.0E-120	1.0E-120 ABO	1.0E-120 ABO	1.0E-120	1.0E-120 AF0E	1.0E-120 AFC	1.0E-120	1.0E-120 AFD	1.0E-120 BF5	1.0E-120 BF56	1.0E-120	1.0E-120 Y0006	1.0E-120	1.0E-120 BF33	1.0E-120 ABO	1.0E-120 ABO3	1.0E-120 ABOO	1.0E-120 AB00	1.0E-120 AB00	1.0E-120	1.0E-120	1.0E-120	1.0E-120	1.0E-120 ALD4	1.0E-120 AISO	1.0E-120	1.0E-120 BE29	1.0E-120 BE86	1.0E-120 BE86	. 1.0E-120	1.0E-121 Y180	1.0E-121 AU134	1.0E-121
	Expression Signal	11.19	6.58	1,83	1.83	1.61	2.05	2.05	3.11	3.11	16.08	16.08	1.84	1.38	1.38	2.31	6.0	6.0	1.94	1.94	1.31	4.87	4.67	3.54	6.7	1.02	0.55	3.4	8.86	2.12	2.12	1.42	0.62	1.35	1.31
	ORF SEQ ID NO:	698 <i>L</i> Z		28437	28438	26561	86508	30599	30506	30907	32349	32350	34295	34677	34678	35147	35218	35219	35221	35222	35264	36319	36320	36578	36597	36612		36918	38115	38397	38398	32048	26337	26631	26964
	SEQ ID NO:	14783	14995	15309	15309	13528	17817	17617	17919	17919	19043	19043	20806	21160	21160	21608	21680	21680	21684	21684	21727	22750	22750	22885	23001	2301B	23134	23318	24452	24705	24705	25436	13311	13595	16020
	Probe SEQ ID NO:	1831	1849	2174	2174	3382	4477	4477	4784	4784	5863	5853	7748	8078	8078	85Z7	8286	8599	8603	88 88	8847	9797	979	88	888	82 83	<del>2</del>	10281	<u> </u>	±	+ 1625	12057	73	88	742

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Γ	<del></del> -			_					П					Г	Γ	Г			F	L	Ì			Б		U	1	7	T.	H 1)	) #	5
	Top Hit Descriptor	Homo sepiens inostro potyphosphate-4-phosphatase, type I, 107kD (INPP4A), spilce variant e, mRNA	Homo septens incettol polyphosphate 4-phosphatese, type I, 107kD (INPP4A), spilice variant a, mFNA	Homo sapiens metabotropic glutamate receptor 1 beta (mGluR1beta) mRNA, complete cds	602014759F1 NCI_CGAP_Bm64 Homo septems cDNA clone IMAGE:4150286 5	602014759F1 NCI_CGAP_Brn64 Horno sapiens cDNA done IMAGE:4160288 5	Homo sapiens NHb3 gene for hair keratin, exons 1 to 9	Homo saplens H-lb3 gene for hair keratin, exons 1 to 9	Homo sapiens mRNA for KIAA1337 protein, partial cds	Homo saplens mRNA for KIAA1337 protein, partial cds	Homo saplens adaptor-related protein complex AP-4 epsilon subunit mRNA, complete cds	qx57b01.x1 NCI_CGAP_Pan1 Hamo sapiens cDNA clane IMAGE:2005417 31	H.sapiens ECE-1 gene (excn 17)	hu09f08.x1 NCI_CGAP_Lu24 Homo septens cDNA clone IMAGE:3168119 3'	601140485F1 NIH_MGC_9 Homo saplens cDNA clone IMAGE:3049620 5	Human glucose transporter (GLUT4) gene, complete ods	Homo sepiens Xq pseudoautosomal region; segment 2/2	RC3-NN0066-270400-011-f02 NN0068 Homo sepiens cDNA	RC3-NN0066-270400-011-f02 NN0066 Homo sepiens cDNA	Homo sapiens gamma-aminobutyric acid (GABA) A receptor, alpha 2 (GABRA2), mRNA	Homo saplens DNA for prostacyclin synthase, excn 8	Homo sapiens DNA for prostacyclin synthase, exon 8	ia05g05.71 Human Panciaedic islets Homo sapiens cDNA 5' similar to TR:075457 075457 CYTOSOLIC PHOSPHOLIPASE A2-GAMMA.;	ts Homo sepiens cDNA 5' similar to TR:075457 075457 CYTOSOLIC	PHOSPHOLIPASE AZ-GAMMA.;	Homo saplens COX11 (yeast) homolog, cytochrome c coddase assembly protein (COX11), mRNA	ele,			1GE:248448 S'	nRNA	Homo sepiens intersectin short isoform (ITSN) mRNA, complete ods
	Top Hit Database Source	TN	IN	¥	EST HUMAN	EST_HUMAN	NT	NT	N	NT	N	EST_HUMAN	N	EST HUMAN	EST_HUMAN	K	NT	EST_HUMAN	EST_HUMAN	NT	NT	Į.	EST HUMAN		EST HUMAN	N.		Ŋ	F	EST_HUMAN	NT	N
	Tap Hit Acessian Na.	4755139 NT	4755139 NT	L76631.1	1.0E-121 BF344378.1	BF344378.1	1.0E-121 Y19208.1	Y19208.1	AB037758.1	AB037758.1	1.0E-121 AF155158.2	Al263204.1	X91937.1	1.0E-121 BE222250.1	BE271424.1	1.0E-121 M91463.1	AJ271736.1	AW898088.1	AW898088.1	11436217 NT	D84122.1	D84122.1	1.0F-121 AW582858.1		1.0E-121 AW 583858.1	11427788 NT		AF064200.1	7330334 NT	N59624.1	11526176 NT	1.0E-122 AF114488.1
	Most Similar (Top) Hit BLAST E Velue	1.05-127	1.0E-121	1.0E-121 L7663	1.0E-121	1.0E-121 BF344	1.0E-121	1.0E-121 Y19208.1	1.0E-121 AB037	1.0E-121 AB037	1.0E-121	1.0E-121 AI2632	1.0E-121 X9183	1.05-121	1.0E-121 BE271	1.0E-121	1.0E-121 AJ271	1.0E-121 AW89	1.0E-121 AW89	1.0E-121	1.0E-121 D84122.1	1.0E-121 D84122.1	1.0E-124		1.05-121	1.0E-121		1.0E-121	1.0E-121	1.0E-121 N59624.1	1.05-122	1.0E-122
	Expression Signal	+	7	1.22	1.07	1.07	6.8	5.8	123	. 1.28	8.25	1.76	3.42	0.84	0.73	49.0	96.0	0.79	0.79	1.07	2.51	2.51	1 02		1.02	3.45		1.94	5.74	1.83	264	2.33
	ORF SEQ ID NO:	28269	28270	28431			28336	28337	29807	28808	20034	30671	31189	31453	32161	33308		31483	31484	34725	34729	34730	36702		36703	37733		37740	37919	37950	26526	26585
	Exan SEQ ID NO:	15164	15164	15304	15766	15766	16325	16325	16790	16790	16920	17600	18219	18584	18873	19913	20164	18529	18529	21205	21209	21209	23100		23100	24094		24102	24280	24312	13406	13557
	Probe SEQ ID NO:	2023	2023	2169	2843	2643	3150	3150	828	3828	3768	4450	5091	2382	8293	6757	7028	7402	7102	8123	8127	8127	10062		10062	11015		11023	11211	11243	278	346

Page 469 of 550 Table 4 Single Exon Probos Expressed in Placenta

Profit   Expr   Copy   Expression   Copy   Feb   Copy	ſ		7	٦					7	$\neg$	٦								-	•	<del>, , ,</del>	* 1	ul <sup>‡</sup>	П	_	<b></b> "1	۲	***	٦	• • • • • • • • • • • • • • • • • • •
Dect   Color		Top Hit Descriptor	Homo sapiens T-cell lymphome invesion and metastasis 1 (TIAM1), mRNA	Homo sepiens intersectin short Isaform (ITSN) mRNA, complete eds	Human kappa-immunogidbulin germline pseudogene (Chr22.4) variable region (subgroup V kappa II)	Homo sapiens cystelne-rich repeat-containing protein SG2 precursor, mRNA, complete cds	Homo sapiens collagen, type XII, alpha 1 (COL12A1), mRNA	Homo sapiens collagen, type XII, alpha 1 (COL12A1), mRNA	601497032F1 NIH_MGC_70 Hamo septens cDNA clane IMAGE:3889358 5*	601896173F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:4125234 5	601896173F1 NIH_MGC_19 Hamo septens cDNA clone IMAGE:4126234 6	Homo sapiens FYVE domein-containing dual specificity protein phosphatase FYVE-DSP2 mRNA, complete cds	Homo sepiens amyloid beta (A4) precursor protein (protease near-II, Alzhefmer disease) (APP), mRNA	UHIF-BNO-al-a-03-0-ULT NIH_MGC_50 Hamp septems aDNA dame IMAGE:3078948 57	601113567F1 NIH_MGC_16 Homo sepiens cDNA clone IMAGE:3354232 5	601113567F1 NIH_MGC_16 Hamo septens aDNA clane IMAGE:3354232 5	al/49h06.s1 Scares_lestis_NHT Homo sapiens cDNA clone IMAGE:1409339 3'	Homo sepiens mRNA for doublesex and mab-3 related transcription factor 1 (DMRT1)	Homo septens lethal giant larvee (Drosophila) homotog 2 (LLGL2), mRNA	qy3Zh07.x1 NGLCGAP_Bru23 Homo sapiens cDNA dane IMAGE:.2013757 3° similer to SW:MTA1_HUMAN Q13330 METASTASIS-ASSOCIATED PROTEIN MTA1.;	qy32h07x1 NCI_CGAP_Bm23 Homo saplens cDNA done IMAGE:2013757 3' similer to SW:MTA1_HUMAN Q13330 METASTASIS-ASSOCIATED PROTEIN MTA1.;	Novel human gene mapping to chomosome X, Isoform of dbl (proto-oncogene)	EST367804 MAGE resequences, MAGD Homo sapiens cDNA	Homo saplens gene for B120, excm 10	Homo sapiens phosphomennomutase 1 (PMM1), mRNA	602018058F1 NCI_CGAP_Bm67 Homo septens cDNA clone IMAGE:4153670 5	602018058F1 NCL_CGAP_Bm67 Homo sapiens cDNA clone IMAGE:4153670 5	Homo sepiens chromosome 21 segment HS210049	Homo sepiens inner membrane protein, mitochandrial (mitofilin) (IMMT), mRNA	Homo sepiens phosphatidylinosticl 4-phosphate 6-kinase, type II, beta (PIP5K2B) mRNA, and translated products
Exam No: 13577         ORF SEQ 25810         Expression 25811         Most Similar (Top) Hit 10E-122         Top Hit Ace 115         No. 115         Top Hit Ace 115         Top Hit Ace 115         No. 115         Top Hit Ace 115         No. 115         Top Hit Ace 115         No. 115         Act In In In In In In In In In In In In In		Top Hit Detabase Source	NT	NT	ĮN.	NT.	LX.	TN	EST_HUMAN	EST_HUMAN	EST_HUMAN	¥	Į.	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	L	NT	EST_HUMAN	EST HUMAN	F	EST_HUMAN	TN	NT	EST_HUMAN	EST_HUMAN	LN	NT	NT.
Ewart NO:         CRF SEQ ID NO:         Expression Signal ID NO:         Mo Signal ID NO: </td <td>ig</td> <td></td> <td></td> <td></td> <td>M20707.1</td> <td>7706.1</td> <td>11418424</td> <td></td> <td>3E906024.1</td> <td>BF316170.1</td> <td>3F31<del>0</del>170.1</td> <td>AF284717.1</td> <td>4502166</td> <td>4W504645.1</td> <td>3E256039.1</td> <td>3E256039.1</td> <td>4A868671.1</td> <td></td> <td></td> <td>A1359618.1</td> <td>AI359618.1</td> <td>7234.1</td> <td>AW966834.1</td> <td>AB024068.1</td> <td>11418187</td> <td>3F345274.1</td> <td>3F345<i>2</i>74.1</td> <td>4L163249.2</td> <td>. 5803114</td> <td>4505818 NT</td>	ig				M20707.1	7706.1	11418424		3E906024.1	BF316170.1	3F31 <del>0</del> 170.1	AF284717.1	4502166	4W504645.1	3E256039.1	3E256039.1	4A868671.1			A1359618.1	AI359618.1	7234.1	AW966834.1	AB024068.1	11418187	3F345274.1	3F345 <i>2</i> 74.1	4L163249.2	. 5803114	4505818 NT
Eban ORF SEQ Express No: No: No: No: No: No: No: No: No: No:		Most Similar (Top) Hit BLAST E Vatue	1.0E-122	1.0E-122	1.0E-122		1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122/	1.0E-122	1.0E-122	1.0E-122/	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-123	1.0E-123	1.0E-123	1.0E-123	1.0E-123
Exam SEQ ID ORU NO: 13577 14408 14408 14408 15885 15885 15885 15885 15885 22589 22589 22589 22589 13596 144205 144205 144203 144203 144203		Expression Signal	256	3.34	5.19	18.7	1.61	1.61	6.92	7.43	7.43	4.87	3.81	1.41	12	6.8	0.64	9.0	1.17	96.0	0.96	0.64	212	1.83	5.28	1.53	1.53	6.18	3.36	3.83
<u>- \( \sigma \)                                   </u>		ORF SEQ ID NO:	26810	27146	27468	27969	27995	27886	28110	28810	28811	29096	31076		32164	32164	33804	35614	35849	36150	38160	36983	37939	38436		27019	27020		27270	27491
Probe No. : 17247 1728 1728 1728 1728 1728 1728 1728 172		Exan SEQ ID NO:	13577	14080	14408	14878	14899	14899	15003	15685	15685	15080	18100	18232	18876	18875	20442	22075	22306	22589	22589	23373	24302	24744	. 25178	13968	13968	14206	14213	14424
		Probe SEQ ID NO:	88	902	1247	1728	1750	1750	1857	2560	2560	280	4971	5104	-888 	9689	7363	9668	8228	9524	9624	10838	11233	11667	12231	88	789	1038	1047	1267

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	Top Hit Descriptor	Homo sapiens phosphatidylinositol-4-phosphate 5-kinase, type II, beta (PIP5K2B) mRNA, and translated products	Hamo sapiens similar to sex comb on midleg (Drosophila)-like 2 (H. sapiens) (LOC63782), mRNA	Human amelogenin (AMELY) gene, 3' end of cds	Human amelogenin (AMELY) gene, 3' end of cds	Human amelogenin (AMELY) gene, 3' end of cds	Homo sapiens RAB9-like protein (LOCS1209), mRNA	Home saplens glutaminyl-peptide cyclotransferase (glutaminyl cyclase) (QPCT), mRNA	Homo sapiens retinaldehyde-binding protein (CRALBP) gane, complete cots	Homo saplens retinaldehyde-binding protein (CRALBP) gane, complete cals			yq84e03.r1 Soeres fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:202444 6' similiar to SP:YAK1_YEAST P14680 PROTEIN KINASE YAK1;		Human hBRAVONr-CAM precursor (hBRAVONr-CAM) gene, complete cds	Homo sapiens heperan suffate (glucosamine) 3-O-sulfotransferase 2 (HS3ST2), mRNA	Homo sapiens Z-5 digoadenylate synthetase 2 (OAS2), mRNA					A SHOULD MINDS I NAME AND A SHOWN AND AND AND AND AND AND AND AND AND AN	7	╗	٦	Homo sapiens mRNA for KDAA0454 protein, partial cds	Oryotologus curticulus New Zealand white elongetion factor 1 alpha (Rabeflaz) mRNA, complete cds			Ī	ULH-BI3-414-10-0-ULS1 NCI_CGAP_Subb Homo sepiens cuiva cione IMAGEZZ 37.291 3
	Top Hit Database Source	     	Z	M	TN	ΕN	FX	MT	NT	NT	EST_HUMAN	EST_HUMAN	EST HUMAN	NT	IN	¥	NT	EST_HUMAN	TN.	EST HUMAN		ES HOMAN	ESI_HUMAN	EST HUMAN	EST_HUMAN	NT	攴	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN
	Top Hit Acesslon No.	4505818 NT	11422479 NT	M55419.1	M55419.1	M55419.1	7705962 NT	6912617 NT	719.1	218.1	BE799746.1	AU118435.1	H33198.1	U42224.1	U56258.1	11525833 NT	11438439 NT	1.0E-123 BE283001.1	11437202 NT	1.0E-123 N35841.1				AU131881.1	AW371924.1	AB007923.1	1.0E-123 U09823.1	1.0E-123 BF677292.1	1.0E-123 BF677292.1	AW450831.1	AW450931.1
	Most Similar (Top) Hit BLAST E Value	1.0E-123	1.0E-123	1.0E-123 M55	1.0E-123 M55	1.0E-123 M55	1.0E-123	1.0E-123	1.0E-123 L34;	1.0E-123	1.0E-123	1.0E-123 AU1	1.0E-123 H33	1.0E-123 U42	1.0E-123	1.0E-123	1.0E-123	1.0E-123	1.0E-123	4.0E-123		1.0E-123	1.0E-123 AU	1.0E-123 AU1	1.0E-123 AW	1.0E-123 AB0	1.0E-123	1.0E-123	1.0E-123	1.0E-123 AW	1.0E-123 AW
	Expression	388	8	321	32	३४	4	P.0	1.62	1.62	1.78	1,00	180	1.30	0.71	0.83	1.31	222	9.0	90		0.6	0.70	0.79	0.7	2.07	18.77	4.9H	4.9d	2.71	2.71
-	ORF SEQ ID NO:	27492		L				20512		L														34702		36279	36325	L		38798	38799
	SEQ ID	1424	L		1_	1	j_	1	1	l	L					L	20875	L	ı	1	J			21182	_		22754	L		L	25094
	Probe SEQ ID NO:	1367	2035	2168	2166	2166	2389	3322	5563	5563	8899	8658	7143	7156	7344	7562	7820	7829	7836	7976		7975	8100	8100	8732	8268	9705	12020	12020	12/14	12114

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Table 4
Single Exon Probes Expressed in Placenta

Probe SEQ ID NO: NO: 778 4886 4886 5050 5050 5050 6050 6050 6050 6050 6	SEO ED NO: 13497 13497 13593 13693 1	28528 28528 28528 28528 28528 28528 28528 28528 28528 28528 28528 28577 28577 28578	Signal Signal 1.02 1.02 1.02 2.06 2.06 8.42 2.06 2.06 8.42 2.06 2.06 8.42 2.06 2.06 8.0.68 8.42 2.06 1.06 8.0.68 8	Most Shriiar (Top) Hit BLAST E  Value  1.0E-124  1.0E-12	507500 507500 507500 507500 507500 507500 507500 504116 504116 1.1	Top Hit Database Source Source Source Source NT NT NT NT NT NT NT NT NT NT NT NT NT	Top Hit Descriptor  Top Hit Descriptor  Horro sapiens T-cell lymphorae Invasion and metastasis 1 (TIAM1) mRNA  Horro sapiens T-cell lymphorae Invasion and metastasis 1 (TIAM1) mRNA  Horro sapiens of roundsome 21 segment HS210046  Tasti 104.1 Stratagene schibb them 1511 Horro sapiens cDNA chare IMAGE-728719 5 similar to TR:G300482  G300482 POL-REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT);  Hurran putative incocome a robbo brain 311 Horro sapiens cDNA chare IMAGE-728719 5 similar to TR:G300482  G300482 POL-REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT);  Hurran putative incocome protein 311 Horro sapiens cDNA chare IMAGE-728719 5 similar to TR:G300482  G300482 POL-REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT);  Hurran putative incocome protein 311 Horro sapiens cDNA chare IMAGE-3883954 5;  Horro sapiens incocome a rocal function of the sapiens cDNA chare IMAGE-3883954 5;  Horro sapiens gueve for B10, exam 11  Horro sapiens ATP-Sensitive Investry rectifying K-charma subunit (KCNUGBIRI) gene, exam  Herro sapiens a ATP-Sensitive Investry rectifying K-charma subunit (KCNUGBIRI) gene, exam  Horro sapiens gueve for B10, exam 11  Horro sapiens putative cocopic, inordoope, kahate 1 (GRIKI) mRNA  Horro sapiens gueve for B120, exam 11  Horro sapiens gueve for B120, exam 14  Horro s
6583	19725	33103	1.12	1.0E-124	11420654	¥.	Homo sapiens ubiquitin specific protesse 9, X chromosome (Drosophila fat faicets related) (USPOX), mRNA And Americanine mRNA for hand? name.
7152	20286 20286	33728	3.15	1.0E-124 Y11		LN.	M.musculus mRNA for hoxe3 gene.
7287	20370	33824	0.94	1.0E-124	1.0E-124 BE271295.1	EST_HUMAN	600943771F1 NIH_MGC_8 Homo septems cDNA clone IMAGE::2966585 5

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	Top Hit Database Source	EST_HUMAN 600943771F1 NIH_MGC_8 Homo sapiens cDNA done IMAGE:2866585 5	EST_HUMAN ac08h05.s1 Strategene HeLa cell s3 837216 Homo saplens cDNA clone IMAGE:852897 3	Homo capiens ribosomal protein L5 (RPL5) mRNA	hg94809.x1 NCL_CGAP_Kid11 Horro sapiens dDNA done IMAGE:2953240 s' similer to TR:095162 EST_HUMAN 095162 PEROXISOMAL SHORT-CHAIN ALCOHOL DEHYDROGENASE;		EST_HUMAN   wc43g03.x1 NCI_CGAP_Pr28 Hamo sapiens cDNA dane IMAGE;2321428 31	EST_HUMAN   wc43g03 x/ NC _CGAP_Pr28 Hamp sepiers dDNA done lMAGE:2327428 3		7			EST HUMAN   UHHF-BNO-efcz-b-04-0-UL/I NIH_MGC_60 Homo sepiens cDNA done IMAGE:30/18448 6		EST HUMAN hi05-08-x1 Soares_NPL_T_GBC_S1 Homo septens dDNA clone IMAGE::2880806 3		T	EST_HUMAN YKRS PROTEIN.;	281b04.r1 Straingene schizo brain S11 Homo sapiens cDNA clone IMAGE:728719 5' similar to TR:03004824 EST HUMAN G300482 POL-REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT);	П	EST_HUMAN G300482 POL=REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT);	Homo sapiens mRNA for KIAA1063 protein, pertial cds	Homo septens calcineurin binding protein 1 (KIAACS30), miNNA	Homo capiens calcineurin binding protein 1 (KIAA0390), mKNA		EST_HUMAN   801577981F1 NIH_MGC_9 Homo saplens cDNA clone IMAGE:3920885 5	EST_HUMAN HA0086 Human fetal liver cDNA library Homo septens cDNA	EST HUMAN   HA0086 Human febal liver cDNA library Homo capiens cDNA		2453-607.s1 Scares_pregnent_uterus_nbHPU Homo septens cDNA clone IMAGE-486540 3' stmiler to EST_HUMAN   gtc.X85857_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMP07E (HUMAN);
	Top Hit Acession No.	1295.1		4506654 NT						,		7133.1										B029016.1 NT	11417862 NT	11417862 NT	32998.1	43922.1	0658.1	0658.1	4750.1	
	Most Similar (Top) Hit T BLAST E Value	1.0E-124 BE27	1.0E-124 AA630331.1	1.0E-124	1.0E-124 AW612108.1	1.0E-124 AW612106.1	1.0E-124 AI799864.1	1.0E-124 AI799864.1	1.0E-124 AV645633.1	1.0E-124 AV645633.1	1.0E-124 AI76	1.0E-124 AI76	1.0E-124 AW 503755.1	1.0E-124 U947	1.0E-124 AW 665863.1	4 OF 424 A14484EE 4	1.05-127	1.0E-124 AI448455.1	1.0E-124 AA397551.1		1.0E-124 AA397551.1	1.0E-124 AB029016.1	1.0E-124	1.0E-124	1.0E-125 ABC	1.0E-125 BE7	1.0E-126 AI11	1.0E-125 AI11	1.0E-125 AF28	1.0E-125 AA042813.1
	Expression Signal	400	238	. 273	124	124	89'0	0.68	1.72	1.72	7.7	7.77	1.48	1.57	3.9	96	7.10	2.18	87		4.8	1.99	2,36	2.36	7.32				242	
	ORF SEQ ID NO:	33825												38009			3/0/0	37576			20027					26239	L	Į		
	Exan SEQ ID NO:	20370	١.	1_	24737	24737	22438	22438	22740	22740	22848	22848	L	L	24688		14677	23947		1_	13891		26038	L.	L	L	L		L	
	Probe SEQ ID NO:	7287	77.25	8453	8857	8657	888	8883	58	9891	88	8086	10075	11302	44847		5	11781	4.2340	2 2	12310	12780	13080	13080	328	439	994	8	748	888

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Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
9581	22723	36293	1.06		1.0E-125 AI566998.1	EST_HUMAN	Inf2b03.x1 NCI_CGAP_Kid11 Homo sapiens cDNA done IMAGE:2171981 3' similiar to TR:Q14089 Q14089 HYPOTHETICAL PROTEIN;
10670		37313	0.72		1.0E-125 BE794576.1	EST HUMAN	601590345F1 NIH_MGC_7 Hamo sepiens dDNA done IMAGE:3944531 5
10712			1.06	1.0E-125	1.0E-125 AB002298.1	NT	Human mRNA for KIAA0300 gene, partial cds
10921	24004	37639	80°8	1.0E-125	1.0E-125 AF043458.1	NT	Homo sapiens I-REL gene, exon 5
11091	24165	37802	1.34		11425670 NT	NT	Homo saplens ryancdine receptor 1 (skeletal) (RYR1), mRNA
11357	L		2.42		1.0E-125 AL040655.1	<b>EST_HUMAN</b>	DKFZp434N2414_r1 434 (synonym: htes3) Hamo sapiens cDNA clane DKFZp434N2414 5'
11401	24462	38126	3,35		AB014567.1	NT	Homo sapiens mRNA for KIAA0667 protein, pertial ods
11538	24594		1.63		1.0E-125 R61450.1	EST_HUMAN	yh15a12.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:37663 5'
11568	24623	38303	2.13		IN 9098991	NT	Homo sapiens myosin, heavy polypoptide 1, skeletal muscle, adult (MYH1), mRNA
11575	24630	38309	532	1.0E-125 AF02	AF026029.1	NT	Homo sapiens poty(A) binding protein II (PABP2) gene, complete cds
11686	24685	38375	227	1.0E-125	1.0E-125 AW812899.1	<b>EST_HUMAN</b>	RC3-ST0186-250200-018-c11 ST0186 Homo sapiens cDNA
11783	Ĺ.,			1.0E-125 BE07	BE074267.1	EST_HUMAN	QV3-BT0569-020200-075-g09 BT0669 Hamo sepiens aDNA
11793	L			1.0E-125 BE07	BE074267.1	EST_HUMAN	QV3-BT0569-020200-075-g09 BT0569 Homo sapiens cDNA
795	Ľ		2.16	1.0E-128	4758007		Homo sapiens CDC-like kinase (CLK) mRNA
8	13977		1.74		1.0E-126 M61938.1	<b>L</b> N	Human laminin B1 chain gene, exon 20
942	I		1,53	1.0E-128 X587	X68735.1	TN	H. sapiens gene for alphat-antichymotrycsh, excn 3
2863	15785	28900	4.66	1.0E-126	TN 8702859	NT.	Homo sepiens RAN binding protein 2 (RANBP2), mRNA
3140	16316	28329	8.12		1.0E-128 AA160709.1	EST_HUMAN	2072c03.r1 Stratagane pancreas (#837208) Homo sapiens cDNA clone iMAGE:692420 5
3140	16316	28330	8.12	l .	1.0E-126 AA160709.1	EST_HUMAN	xo72c03.r1 Stratagens pencreas (#837208) Homo saplens cDNA clone IMAGE:592420 5
3719	16880	29885	0.87	1.0E-126 X539	X53941.1	NT	H.saplens DNA for liver cytochrome b5 pseudogene
3745	1	28910	2.52		7657038 NT	TN	Homo sapiene death receptor 6 (DR6), mRNA
4908	L		1.08		1.0E-126 AF101108.1	NT	Homo sapiens collagen type XI alpha-1 (COL11A1) gene, exon 63
4908	18038		1.08		1.0E-126 AF101108.1	NT	Homo sapiens collagen type XI alpha-1 (COL11A1) gene, extn 63
4958	18086	31062	1.81	1.0E-126	1.0E-126 N34078.1	EST_HUMAN	yk78c06.r1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE::287850 5
5820	L	32316	0.68		1.0E-126 T66998.1	EST HUMAN	ye52b12.s1 Soares fetal liver spicen 1NFLS Homo sapiens cDNA clone IMAGE:66527 3'
	L						268e03.r1 Soares_total_fetus_Nb2HF8_9w Homo septems cDNA clone IMAGE:788444 5 shriller to
6362	19532	32891	2.91		1.0E-128 AA460075.1	EST_HUMAN	TR:G1145880 G1145880 TITIN;
0419	<u></u>	L	4.33		1.0E-126 AB040958.1	ᅜ	Homo sapiens mRNA for KIAA1525 protein, pertial ods
6419	L	_	4.33		1.0E-126 AB040958.1	Į,	Homo sapiens mRNA for KIAA1525 protein, partial cds
7669					1.0E-126 AF257737.1	NT	Homo sapiens ditary dynetn heavy chain 9 (DNAH9) mRNA, complete cds
7669	20735	34213	60		1.0E-126 AF257737.1	NT	Homo sapiens ciliary dynain heavy chain 9 (DNAH9) mRNA, complete cds
8062	2 21144	34662	6.73		1.0E-128 AB037715.1	INT	Homo sepiens mRNA for KIAA1294 protein, partial cds
8062	21144	34663	67.0		AB037715.1	NT	Homo sapiens mRNA for KIAA1294 protein, pertial ods
	J						

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Table 4
Single Exon Probes Expressed in Placenta

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Exam       ORF SEQ ID NO:       Expression ID NO:       (Top) Hit Acession No:       Top Hit Acession ID NO:       Top Hit Acession ID NO:       Top Hit Descriptor       Top Hit Descriptor	17830 30916 4.36 1.0E-127 6912639 NT   Homo septens Ring1 and YY1 binding protein (RYBP), mRNA	32320 1.57 1.0E-127 W03547.1 EST_HUMAN	32351 0.91 1.0E-127 4826863 NT	32423 4.18 1.0E-127 X85764.1 NT	X84060.1 NT	32981 6.73 1.0E-127 4504778 NT	1.09 1.0E-127 11421595 NT	4826977 NT	1.31 1.0E-127 11421914 NT	1,31 1,0E-127] 11421914[NT	21022 34536 0.63 1.0E-127 BF971356.1 EST_HUMAN   602161232F1 NIH_MGC_81 Homo septens cDNA clone IMAGE:4282575 5	22167 35713 0.81 1.0E-127 11427235 NT Homo septens Chediak-Higashi syndrome 1 (CHS1), mRNA	22167 35714 0.81 1.0E-127 11427235 NT Homo septens Chediak-Higashi syndrome 1 (CHS1), mRNA	22880 38462 3.73 1.0E-127 AF274883.1 NT Homo septens secretory pathway component Sec31B-1 mRNA, alternatively spliced, complete cds	22880 38483 3.73 1.0E-127 AF274883.1 NT Homo sapiens secretary pathway component Sec31B-1 mPNA, alternatively spliced, complete cds	23115 36718 0.86 1.0E-127 Al298932.1 EST_HUMAN   qm94h09.x1 NCI_COAP_Lu5 Home septens cDNA clore IMAGE:1896449 3'	11427235 NT		5.64 1.0E-127 11417339 NT	1.55 1.0E-127 BE895415.1 EST_HUMAN	1.66 1.0E-127 BE895415.1 EST_HUMAN	4597.1 NT	3.03 1.0E-127 AB024597.1 NT	1399.1 NT	1.64 1.0E-127[AB011399.1 NT	26700 1.56 1.0E-128 BE386817.1 EST_HUMAN	0.96 1.0E-128 4758081 NT	27397 0.96 1.0E-128 4758081 NT	28387 18.07 1.0E-128 U02523.1 NT	15268 2838 18.07 1.0E-1.28 U02523.1 NT Human FAU1P pseudogene, trinucleotide repeat regions
Probe Exa SEQ ID SEQ NO: NO	4785 178		_	5923 191	6291 194	6451 196		7208 200	7964 210				8088 221	9840 228	9840 228	10077 231	10551 235	11426 244					12539 134	12763 258	13170 280	472 130	1179 14		_[	2132 15

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	Top Hit Descriptor	Homo sapiens ribosomal protein S2 (RPS2) mRNA	Homo sepiens chrometin-specific transcription elongation factor, 140 kDa subunit (FACTP140), mRNA	Homo septens mRNA for KlAA124/ process, pares was	Homo septens prospero-realized indirection in 1000.1/1	H. septems gene for una september 10 calmodulin-dependent (70kD) (PDE1C), mRNA	France September 1974 Home Saplens CONA clone IMAGE: 3	Umma earlans mRNA for KIAA0454 protein, partial cds	United September 11 PARA PARA Protein, Dertiel Cd8	AND SQUEDS HINNEY TO EACH FULL Home sentens CONA clone MAGE: 1182620 similar to TR: C861338 C861338	CHROMOSOME SEGREGATION GENE HOMOLOG CAS.; CHROMOSOME SEGREGATION GENE HOMOLOG CAS.;	Homo septens gluterings receptor, randiughe, inclination of the late of FE2383 3' similar to pb:X54941 CYCLIN	OFFENDENT KINASES REGULATORY SUBUNIT 1 (HUMAN);  DEPENDENT KINASES REGULATORY SUBUNIT 1 (HUMAN);	18015/1912F1 NIH MGC_/1 Hamp septents duly duals mindered to the company of the c	ES1300 RANCE resorted on the second of the s	Presum-line grown I accompanies of the company of t	Nowel Is man mRNA containing Zinc finger C2H2 type dometrs	Notes in carried in a complete see the complete see the complete seems (STT1) and autathione S-transferase them 1 (STT1)	Homo separas guarantina o una sociato e sociat	Homo sapiens guiranione ordansite asse trieta z (Co. 12) dan granda. genes, complete ods	Hamo sepiens zinc finger protein 76 (expressed in testis) (ZNF76), mXNA	Homo saplens platelet-derived growth factor receptor, beta polypeptide (FDGFNB) mixed	Hrmo saxiens platelet-derived growth factor receptor, beta polypeptide (PDGHKB) mixwa	TANC FINGER PROTEIN HZF10	TAIL FINGER PROTFIN HZF10	AND ENGRED BOOTEIN H7F10	Lines confere mRNA for KlAA1459 protein, partial cds	CNAVAE Himmen cerdited muscle expression library Homo sapiens cDNA clone 4151835 similar to CMYA5	Cardiomyopathy associated gene 5
	Top Hit Database Source	E	¥	¥	¥	Į.	LN	EST HUMAN	I N	- EX	EST_HUMAN	Ę	EST HUMAN	EST HUMAN	EST HUMAN	Į.	Z.	Z	ᅜ	텋	¥	LN	14	TOGGGGWG	SWISSPACE	SWISSPROI	SWISSERO	Z	EST HUMAN
26.00	Top Hit Acession No.	4506718 NT	11437455 NT	AB033073.1	426673	69639.1	888		1.0E-128 AB007923.1	B007923.1	1.0E-128 AA639198.1	11425254 NT	1.0E-128 AA926969.1	3E887554.1	1W855290.1	377221	377221	AL096890.1	1.0E-129 AF240786.1	1 OF 420 AF240796 1	11418522 NT	4505682 NT	TIALCOCION		014585	014585	014686	1.0E-129 AB040892.1	AW755254.1
-	Most Similar (Top) Hit BLAST E Value	1.0E-128	1.05-128		1.0E-128	1.0E-128 X69639.1	1.0E-128	1.0E-128 B	1.0E-128	1.0E-128 ABOC	1.0E-128	1.0E-128	1.0E-128	1.0E-128 BE88	1.0E-128 AWE	1.0E-129 S37	1.0E-129 S37	1.0E-129 AL08	1.0E-129										1.0E-129 AW
	Expression Signel	37.91	1:11	1.17	7.27	0.75	1.5	6.26	0.67	190	<u>5</u>	3.54	3.61	1.98	4.26	1.83	1.65	3.74	1.68		1.00				1.43	1.43		237	. 232
	ORF SEQ ID NO:	28547		29664	60608	32139			35360							28663				1					3 29380			30413	30517
	Exam SEQ ID NO:	15415	15842	16648	17821	18858	19710	20123	21824	L	<u> </u>	1_		L		1_	L	14906		<u> </u>		_		15952	16373	1_	L	17424	l 1
	Probe SEQ ID NO:	2283	2548	3 18	4788	6682	8548	7070	8745	8745	40344	40040	10067	11210	12402	124	426	1756	1.784		178	\$	2838	2838	3186	3108	3198	4279	4395

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Probe SEQ IO	Excan SEQ ID NO:	ORF SEQ ID NO:	Expression	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Datebase Source	Top Hit Descriptor
4395	17538	30518	232	1.0E-129 AW7	55264.1	EST_HUMAN	CM/YA5 Human cardiac muscle expression library Homo sapiens cDNA clone 4151895 similar to CMYA5 Cardiomyopathy associated gene 5
6216		32739	3.77	1.0E-129	1.0E-129 AJ006345.1	П	Homo sapiens KVLQT1 gene
9854		33201	0.61	1.0E-129		T_HUMAN	601513861F1 NIH_MGC_71 Hamp sapiens cDNA clone IMAGE33915350 5
7277		33814	3.99	1.0E-129	1.0E-129 AJ006345.1	N.	Homo sepiers KVLOT1 gene
38	L	33882	4.03	1.0E-129	11420850 NT	Z	Homo sapiens similar to ribosomal protein S26 (H. sapiens) (LOCGS694), mKNA
7697	1_	34245	1.04			F	Homo sepiens WSCR4 gene, excus 3 and 4
7697	ı	34248	1.04		1056.1	NT.	Homo sepiens WSCR4 gene, exons 3 and 4
8513	1_		3.57	1.0E-129 AB01		NT	Homo sapiens mRNA for KIAA0634 protein, partial cds
10284	1_	36920	1.03	1.0E-129	11437282 NT	NT	Homo sepiens solute carrier family 21 (organic anion transporter), member 9 (SLC21A9), mrNA
10284	L	36924	1.03	1.0E-129	11437282 NT	NT	Homo sepiens solute center family 21 (organic anion transporter), member 8 (SLCZ1A9), mrNA
40720		2787F	0.50		1 0F-129 AH89117.1	EST HUMAN	qi40d08.xf NCI_CGAP_Bm25 Homo capiens dDNA clone IMAGE:1858959 3' similar to TR:Q14840 Q14840 MITOGEN INDUCIBLE GENE MIG-2;
3	1_						qi40d08.x1 NCI_CGAP_Bm23.Homo septens cDNA clane IMAGE:1858959 3' similar to TR:Q14840 Q14840
10730			0.62		1.0E-129 AI199117.1	EST HUMAN	MTOGEN INDUCIBLE GENEMICAZ;
11497	24555	38230	3.32		AA625E	EST HUMAN	#1/207.1 Soares Nithery S1 Home sapiens GUNA CONE INFLOCE TO 1004 1009
11578			5.01	1.0E-129	11420850 NT	¥	Homo sepiens similar to nicosomal protein SZB (H. sepiens) (LOCosco44), mrota
12387	_ <i>.</i>		4.28	1.0E-129 H83	H83155.1	EST_HUMAN	yq49c05.r1 Scares fetal liver splean 1NFLS Hamo saplans cDNA ctone IMAGE:189112 5' similar to SP-B48150 B48150 HP-25=HIBERNATION-RELATED PROTEIN - TAMIAS ASIATICUS=ASIAN;
12817			1.97	L	1.0E-129 AL120739.1	EST_HUMAN	DKFZp782K171_r1 782 (synanym: hmel2) Hamo sepiems aDNA dane DKFZp762K171 5
78	<u>L</u>	26341	1.01		7705530 NT	IN	Homo sepiens hypothetical protein (HSPC242), mRNA
1197	L	27418	0.64		1.0E-130 AB037835.1	F	Homo sapiens mRNA for KIAA1414 protein, partial cds
Ę	1	27939			BE275182.1	EST HUMAN	60112/665F1 NIH_MGC_20 Homo sepiens dDNA clone IMAGE:3346368 6
178		27940			BE275192.1	EST_HUMAN	601121995F1 NIH MGC 20 Hamo septens aDINA dane IMAGE:3346396 5
88	15181		263		1.0E-130 X04082.1	TN	Human gene for catalasse (E.C.1.11.1.6) axon 9 mapping to chromosome 11, band p.13
2830	155044		27.73		AJ010230.1	Y.	Homo sapiens RET finger protein-like 1 antisense transcript, partia
2943	16120	28432	1.36		1.0E-130 BE664219.1	EST_HUMAN	601343016F1 NIH_MGC_53 Homo sapiens cDNA clone IMAGE:3863485 5
8	ı		1.36	1.0E-130 BES	BE564219.1	EST HUMAN	601343016F1 NIH_MGC_53 Hamo saplens cDNA clone IMAGE:3083466 5
3000	L	29842	1.03	L	1.0E-130 AF240698.1	L	Homo sapiens retinal dehydrogenase homolog isoform-1 (KDH) mkNA, complete cos
3864	<u>_</u>			1.0E-130 BES	BE564219.1	EST_HUMAN	601343016F1 NIH_MGC_53 Homo sapiens cDNA clone IMAGE:3863466 5
88			6.31		1.0E-130 BE564219.1	EST_HUMAN	601343016F1 NIH_MGC_53 Hamo saptens CDNA clone IMAGE:3883486 5
4047	17203	30213	1.8		1.0E-130 AW503580.1	EST HUMAN	LIHITEROGRAPHOCOULT NIM MICH SO HOMB SEPTENTS CLARA CACHE INVACE COURT IN THE TAIL THE TAIL TO CHANGE COURT IN THE TAIL THE THE TAIL THE T
4184					M97710.1	노	Human I cel receptor (V alpha 22.1, J alpha Krivilla contrain, C alpha I) minush
4660	17798	30782	9.77	╝	1.0E-130 AW843993.1	EST HUMAN	CAR4-CANDO40-160/ZAU-011-AUZ CANDO40 FIGHIO SEIPIERIS CUNTA

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					,		
Probe SEQ ID NO:	Ean SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Velue	Top Hit Acession No.	Top Hit Defebese Source	Top Hit Descriptor
5208	18329	31300	1.49	1.0E-130 AW:	AW363299.1	EST_HUMAN	RC0-CT0318-201199-031-a11 CT0318 Homo saplens cDNA
\$208	L	31301	1.49	1.0E-130 AW	AW363299.1	EST_HUMAN	RC0-CT0318-201199-031-e11 CT0318 Homo saplens cDNA
969		33612	1.8		AW843875.1	EST_HUMAN	CM0-CN0045-170200-225-g03 CN0045 Homo sapiens cDNA
0969	L.	33613	1.03		1.0E-130 AW 843875.1	EST_HUMAN	CMo-CN0046-170200-226-903 CN0045 Homo capiens cDNA
6975		33630	0.85		11425446 NT	NT	Hano sapiens estrogen-responsive B bax protein (EBBP), mRNA
7404	20482	33940	1.85	1.0E-130	11416777 NT	TN	Homo sapiens solute carrier family 6 (neurotransmitter transporter, L-profine), member 7 (SLC6A7), mRNA
7506	L	34052	0.83	1.0E-130	AF257737.1	Ę	Homo sepiens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete cds
7506	L		9.68	L	AF257737.1	Į.	Homo sapiens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete cds
8881			0.53	1.0E-130 AFD	AF008551.1	TN	Homo sapiens aurora-related kinase 1 (ARK1) mRNA, complete cds
9019	L.	35638	2.06		1.0E-130 AW956242.1	EST_HUMAN	EST368312 MAGE resequences, MAGD Homo sapiens cDNA
9415	22489	36054	1.82	1.0E-130 ABO	AB037758.1	NT	Homo septens mRNA for KIAA1335 protein, pertial cds
10137	23175		9.63	1.0E-130 AW	AW103454.1	EST_HUMAN	xd36e06.x1 NCI_CGAP_Ov23 Homo sapiens cDNA clone IMAGE:25958743'
	132.63	07000	03.0	005.00	A A 2284.28 4	CCT LIBAAN	zr58c04.r1 Soeree_NhHMPu_S1 Homo sepiens cDNA clone IMAGE:687590 5' similar to TR:G222811
		202	70.7	0.0L	M250150.1	LONG I	SECOND STATE OF THE CONTRACT O
. 4	13243	26244	2.52	0.0E+00 AAZ	AA228126.1	EST_HUMAN	G222811 ALPHA 1 CHAIN OF TYPE XII COLLAGEN;
8	13246	26248	1.14	0.05+00	4885136 NT	TN	Hamo sapiens checkpaint suppressor 1 (CHES1), mRNA
92	13254	26254	3.34	0.05+00	IN 68223849 NT	NT	Homo sepiens hypothetical protein FLJ20371 (FLJ20371), mRNA
16	13254	26255	3.34	0.0E+00	B823349 NT	M	Homo septems hypothetical protein FLJ20371 (FLJ20371), mRNA
83	L	20202	3.17	0.0E+00 D83	D83327.1	NT	Hamo sepiens DCRR1 mRNA, pertial eds
প্ত		26263	3.17	0.0E+00 D83	D83327.1	NT	Homo sapiens DCRR1 mRNA, partial cds
77	13286	26267	6	0.0E+00 AF1	4134	NT	Homo saplens beta-tubulin mRNA, complete cds
38			0.62	0.0E+00	TN 6802097 NT	NT	Homo sapiens Cdo42 effector protein 2 (CEP2), mRNA
37	H		0.89	0.0E+00 M58	M58600.1	NT	Human heparin cofactor II (HCF2) gene, exons 1 through 5
4		26285	4.6	0.0E+00	. 6857825 NT	NT	Homo sepiens RNA-binding protein S1, serine-rich domain (RNPS1), mRNA
83	13206	26312	1.77	0.0E+00 Y17	Y17151.2	NT	Homo sapiens mRNA for multidrug resistance protein 3 (ABCC3)
88			1.77		Y17151.2	NT	Homo sepiens mRNA for multidrug resistance protein 3 (ABCC3)
89			1.45		304.1	EST_HUMAN	HUM516H08B Human placenta potyA+ (TFujiwara) Homo sapiens cDNA clone GEN-516H08 5
9			1.45		304.1	EST_HUMAN	HUMS16H08B Human placenta polyA+ (TFujiwara) Homo sapiens cDNA clone GEN-51GH08 5
61		26319	9.83		58.1	5	Human ribosconal protein L7 (RPL7) mRNA, complete cals
ജ		26322	16.36		0.0E+00 AW068534.1	EST_HUMAN	cr48e07.x1 Jia bane marrow strama Hamo septens cDNA clane HBMSC_cr48e07.3"
83		528323	16.36		0.0E+00 AW069534.1	EST HUMAN	cr48e07.x1 Jia bane marrow stroma Homo sapiens cDNA clane HBMSC_cr48e07.3"
67	13304	26327	2.48	0.0E+00 M60	M60676.1	NT	Human von Willebrand factor psaudogene corresponding to exons 23 through 34

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•					_	_	_		_		_	_	_	_	_	_	_	<del></del>		<del>/ 4</del> .	<del>-</del>		4	# #	T	7		-4) 	- 1	1	Ç	H	ļ) ļ
	Top Hit Descriptor	Will Land Lands manufacture corresponding to excess 23 through 34	Human von Willegrand lacun poeutogene von vereinen wie substrate 1 (PTPNS1) mRNA	Cano septers protein tyrosine prospinates, normalism tyrosine (PTPNS1) mRNA	Home sapiens protein tyrosine prospinatese, not recepted type contents of (PTPNS1) mRNA	Home sapiens protein tyrosine prospiratase, northeospipal type contracts of Introduction in the American (Introduction) many	Home sapiens protein tyrosine prospitatisse, no recognod tyrosine sapiens of the prospitation of the protein tyrosine prospitation of the protein tyrosine prot	on89e04.s1 Soares_NPL_T_GBC_S1 Homo sapkens cunk done invivous. 1000010.50 cmms as Sw.:TMOD_HUMAN P28289 TROPOMODULIN.;	Homo sapiens emiloride binding protein 1 (emiles oxidase (copper-comenung)) (Por 1), nucros serio	encoding mitochandrial protein, mRNA	Homo saplens heterogenedus husana ilinainosoprocessos (mercos)	Homo sapiens actin, beta (ACLB) mrvvA	Human polyhomeode 1 romoog (hr hij hinve, parum car	HA1347 Human feda liver culva library mano sapirals culva.	Homo saplens mRNA for KIAA1365 protein, per usi	Hisaplers nad gene (exan 2)	ESBIOS X NCI CGAP UM Homo sepiens cONA cons IMACE:2230838 3' SIMILIE D'INCLESSOU! COOS!	MITOCHONDRIAL TRANSCRIPTION TERMINATION FACTOR PRECURSOR.;	MTOCHONDRIAL TRANSCRIPTION TERMINATION FACTOR PRECURSOR:	MOTIOS: 1 Source meternocyte 2007 MH Hamp sappens CLIVA chara MACE 27007 5	MOTINGS IT Scares malaracycle of the Tollin capacity of the Control of the Control of NRPO) mRNA	Harrio Sapterio Incurponii Z. (10 t. 2) III. (DNA directed) polypeptide A (220kD) (POLR2A) mRNA	House explans polymerasa (RNA) II (DNA directed) polymetitde A (220kD) (POLR2A) mRNA	Harma serviers lag Fe binding profesion (FC/GAMMA)BP) mRNA	Control Septembries (#31/205) Homo sapiens cDNA clone IMAGE:68310 6	yassych.iz.com.gom (#837205) Homo septens cONA clone IMAGE:68310 5	Home seriens betendenents nuclear ribonucleoprotein A1 (HINRPA1) mRNA	PAYAGNIZAFE NIH MIGC 66 Homo septens CDNA clone IMAGE:3863803 5	Home series between nuclear ribonucleoprotein A1 (HNRPA1) mRNA	Home sections serine paintiply transferase, subunit II gene, complete cds; and unknown genes	RAN 174270F1 NIH MGC 17 Hamo septens aDNA dane IMAGE:3529864 5	601774270F1 NIH MGC 17 Homo sepiens dDNA dane IMAGE:3529864 5	
	Top Hit . Detabase Source				F	אַל	F	EST HUMAN		N	NT	N-	NT	EST HUMAN	¥	¥		EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	<u> </u>	ž!	ž	- II	EST HUMAN	ESI HUMAN	- 17	ESI TIUMAN	Į.	NAME TO T	EST HUMAN	1501 - 101
, -	Top Hit Acessian No.		1	4758977 NT	4768977 NT	4758977 NT	TN 778977	5		4501850 NT	450444 NT	5016088 NT	1	13.1				1623701.1	0.0E+00 AI623701.1	N36040.1	N36040.1	4505458 NT	1N 888384	4506938 N	4503680 NI	T56945.1	പ്	450444 N I	<b>₩</b> I	450444 N	AF111168.2	0.0E+00 BE295973.1	0.0E+00 BE280973.1
}	Most Similar (Top) Hit T BLASTE		0.0E+00 M60678.	0.0E+00	0.0E+00	0.0E+00	00+300	0 OF +00 A A9537		0.0E+00	0.0E+00	0.0E+00	0.0E+00 U89277	0.0E+00	0 OF+00 AB0377	O OF TOO XOLYS	200	0.0E+00 A162370	0.0E+00	0.0E+00 N36040	0.0E+00 N36040.1	0.0E+00	0.0E+00	0.0E+00	0.05+00		I						╛
	Expression Signal		23.72	21	21	1.06	8	8	7	16.99	123	23.92	40.86	24	٥	000	800	0.68	1.58	1.92	1.92	1.63		၉						38.39	1		0.73
	ORF SEQ ID NO:			26830	ORSAO	02836	0000	#C07	9	26347		26356		L			7637	26377		1		L	26332	26393					3 26416	3	26419		3 26420
	Exem SEQ ID NO:		13306	13343	2000	21 22 22	51501	13313	13378	43310	49990	44420	46939		L	$\perp$	13343	13350	١	1	1	L	L			L	L	L	13386	L	13391	13383	13393
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Top Hit Descriptor	2d62b05.rl Sogres_fetal_heart_NhHH19W Homo sapiens cDNA clone IMAGE:345.201 5 smiller to gb:X16282_cds1 ZINC FINGER PROTEIN CLONE 647 (HUMAN);	QV3-HT0457-140200-088-dV4 H1045/ Homo sapiens GUNA	CV3-HT0457-140200-088-004 H 1045/ Home separate conv.	Homo sepiens zinc iinger protein mixtvo, comprese cae	Homo sapiens chromosome 21 segment NSZI CVUZ	Homo sapiens chromosome 21 segment H3210002	bb24e12.y1 NIH_MGC_14 Homo septems dun's done invive zoooso o enima to vir i commerce (CE22831;	bb24612.y1 NIH_MGC_14 Homo septems a DNA date invive Expososes is sumed to viring the contract of Ezzose;	Homo saplens mRNA for KIAA0784 protein, pertial ods	Home septens mRNA for KIAA0784 protein, partial cds	Home sapiens mRNA for KIAA0784 protein, partial cds	Homo sapiens mRNA for KIAA0784 protein, pertial cds	Human gamma-cytopiasmic acth (ACTGP9) pseudogene	Home septens CTCL tumor antigen sel 4-3 mRNA, complete cds	Homo sepiens CTCL tumor entitien sertes mRNA, complete cots	Home capiens chromosome X MSI 3-2 protein mRNA, complete cds	Home series chromosome X MSI 3-2 protein mRNA, complete cds	Training september 2018 1991 1991 1991 1991 1991 1991 1991 1	INCLUDATION NOT CONTINUE SEQUENCE SOLVE TO THE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE SOLVE SEQUENCE S	tq0488x1 NG_CGAP_UI3 Homo sapiens curva daire minaci	Homo sepiens DNA mismatch repair protein (MLH3) gene, complete cas	Homo sepiens ribosomal protein L31 (RPL31) mRNA	Homo sepiens TADA1 protein mRNA, complete cds	Homo sepiens mRNA for KIAA0721 protein, partial cds	Homo sapiens mRNA for KIAA0721 protein, partial cds	Mus musculus testis specific protein, Y-encoded-like (Tspyl), mRNA	TCBAP1E4466 Pediatric pre-B cell acute lymphoblastic leukemia Baykar-HGSC project=TCBA Homo septems	CUNA cone I CENT-4400  THE CONTROL OF THE PARTY OF THE PARTY OF THE PARTY OF THE SENTENTIAL BANGET HOSE project TOBA Home saplents.	CDNA clone TCBAP4466
Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST HUMAN	NT	NT	N	EST_HUMAN	EST HUMAN	N.	FA	Į.	TN	FZ.	LN	12	1	E I	Z	EST_HUMAN	EST_HUMAN	F	N Fa	Į.	N	Ę	LN		EST HUMAN	EST_HUMAN
Top Hit Accession No.		П	0.0E+00 BE162832.1				8970.1	8970.1	8327.1	8327.1	8377 1	8327.1	59.1	-	904E 4	3043.1	$\cdot$	0.0E+00 AF-18/1/4.1	0.0E+00 AI587308.1	AI587308.1	35658.1	4506632 NT	0.0E+00 AF132000.1	AB018264.1	AB018264.1	0 05 400		0.0E+00 BE246780.1	0.0E+00 BE246780.1
Most Similar (Top) Hit BLAST E Value	0.0E+00 W73973.1	0.0E+00 E	0.0E+00 E	0.0E+00 A	0.0E+00	0.0E+00 A	0.0E+00 BE01	0 0F+00 BE01	0.0E+00 AB01	0.0E+00 AB01	O OF LON AROL	0.0E+00 ABO	00±±00	0.0E+00 BEZZ	200.00	0.0E+00.	0.0=+00	0.0E+00.		0.0E+00 AI58	L	L		L	l	L			
Expression Signal	24	0.79	0.79	4.73	28.75	28.75	8.75	8 75	24	24	7	88	77 80	90.10	9.13	3.13		7.71	12	12		11.48	8 63			1000		0.89	0.89
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SEQ D	13304	13395	13395	1.	L	L	1	ŀ	L	L	1	13413	L	$\perp$	⅃			13429	16007	1	L	4	1	1	1	Н	200	13459	13458
Probe SEQ ID	2,		Ę	133	175	176	£	197	3 5	3 8	3	ह है		83	Ř	ষ্	208	206	218	2	210	200		3 8		8	ž.	237	723

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Top:Hit Descriptor	TCBAP1E4466 Pediatric pre-B cell acute lymphoblastic leukamia Baykar-HGSC project≔TCBA Homo sapiens cDNA cione TCBAP4468	Homo sepiens mRNA for KIAA0758 protein, partial cds	Homo septens mRNA for KIAA0758 protein, pertial cds	Homo septens NS1-associated protein 1 (NSAP1) mRNA	Homo sepiens chromosome 21 segment HS21 C001	me 21 unknown mRNA	H.saplens mRNA for interferon alpha/beta receptor (long form)	me 21 unknown mRNA	Homo sapiens T-cell lymphoma invasion end metastasis 1 (TIAM1) mRNA	Homo saplens T-call lymphoma invasion and matastasis 1 (TIAM1) mRNA	Homo sapiens hypothetical protein (LOC61250), mRNA	RNA, partial cds	IRNA, partial cds	IRNA, partial cds	1.2-CT0031-181199-020-B03 CT0031 Homo saplens cDNA	Homo sapiens potassium inwardly-rectifying channel, subfamily J, member 15 (KCNU15) mRNA	Homo septens potassium inwardly-rectifying channel, subfamily J, member 15 (KCNJ15) mRNA	Homo saplens mRNA for KIAA1019 protein, partial cds	Homo sepiens mRNA for KIAA1019 protein, partial cds	Homo sapiens ribosomal protein S5 (RPS5) mRNA	zv18c08.r1 Sogres NhHMPu_S1 Hamo sapiens cDNA clone IMAGE:753994 51	Homo septens SON DNA binding protein (SON) mRNA	Homo sepiens SON DIVA binding protein (SON) mRNA	Homo saplens intersectin short isoform (ITSN) mRNA, complete cds	TRANSCRIPTION REGULATOR PROTEIN BACH1 (BTB AND CNC HOMOLOG 1) (HA2303)	TRANSCRIPTION REGULATOR PROTEIN BACH1 (BTB AND CNC HOMOLOG 1) (HA2303)	Homo sepiens hormonally upregulated neu fumor-essociated kinase (HUNK), mRNA	Homo appiens hormonally upregulated neu fumor-associated kinase (HUNK), mRNA	Homo saplens myeloid/lymphold or mixed-lineage leukemia (trithorax (Drosophia) homolog); translocated to, 4		SN), mRNA	Homo sapiens X-box binding protein 1 (XBP1) mRNA	Human zinc finger protein zfp31 (zf31) mRNA, partial cds
	TCBAP1E4466 Pediatric cDNA clone TCBAP4468	Homo sapiens mRNA for	fomo saplens mRNA for	Homo sapiens NS1-assoc	-lomo sapiens chromosor	Homo sapiens chromosome 21 unknown mRNA	1. sapiens mRNA for inter	Homo sapiens chromosome 21 unknown mRNA	-forno sapiens T-cell fymp	forno sapiens T-cell lymp	-tomo sapiens hypothetica	Homo sepiens DCRR1 mRNA, partial cds	Homo sepiens DCRR1 mRNA, pertial cds	Homo sepiens DCRR1 mRNA, partial cds	L2-CT0031-181199-020-	fomo sapiens potassium	lomo sepiens potassium	tomo septens mRNA for	formo sapiens mRNA for	Homo sapiens ribosomal	ev18c08.r1 Sogres_NhHI	Homo sepiens SON DNA	Homo sepiens SON DIVA	lomo saplens intersectin	TRANSCRIPTION REG	TRANSCRIPTION REG	Homo sepiens hormonally	famo sepiens hormonelly	lomo saplens myeloid/fyn	(MLLT4) mRNA	Homo sapiens moesin (MSN), mRNA	forno sapiens X-box bind	luman zinc finger protein
Top Hit Database Source	EST_HUMAN	Į.	¥		M	LN LN	Į.	Į.				M		Ŋ	EST_HUMAN			TN.	IN		EST HUMAN			I	SWISSPROT	SWISSPROT							
Tap HR Acessian Na.	3E246780.1	0.0E+00 AB018301.1	18301.1	5453805 NT	832M.2	0.0E+00 AF231919.1	772.1	0.0E+00 AF231919.1	. 4507500 NT	4507500 NT	7706028 NT	327.1	327.1	327.1	\W845293.1	4557029 NT	4557029 NT	0.0E+00 AB028942.1	0.0E+00 AB028942.1	4506728 NT	80002.1	4507152 NT	4507152 NT	14488.1	867	298	7657243 NT	T057213 NT		5174574 NT	4505256	4827057	
Most Similar (Top) Hit BLAST E Vatue	0.0E+00 BE2	0.0E+00	0.0E+00 AB0	0.0E+00	0.0E+00]AL1	0.0E+00	0.0E+00 XB9	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 D83	0.0E+00 D83	0.0E+00 D83	0.0E+00 AW	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AA4	0.0E+00	0.0E+00	0.0E+00 AF1	0.0E+00 O14	0.0E+00 O14867	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00 U71
Expression Signal	0.80	1.17	1.17	7.54	3.79	4.65	1.22	5.95	1.37	1.37	1.0	96.0	1.2	1.2	1.41	5.65	5.65	5.16	4.28	8.13	1.42	19.55	24.65	1.59	1.15	1.15	4.14	1.82		4.38	0.74	4.58	0.96
ORF SEQ ID NO:	28485	26496	26497	26501		26507	26510		56529	28530	26532		20645	28546		26553	26654	26564	20202			26566	26566	26570	26579	26580	28581	26581		26593	26594	26598	26603
Eson SEQ ID NO:	13450	13467	13467	13469	13471	13476	13478	13486	13498	13498	13500	13610	13511	13511	13512	13520	13520	13531	13532	16010	13533	13534	13534	13538	13550	13550	13551	13551		13565	13566	13569	13572
Probe SEQ ID NO:	782	245	245	248	250	257	259	267	280	280	282	233	\$	<b>75</b> 2	295	304	304	315	316	317	318	319	320	324	337	337	338	330		8	355	358	361

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Ongo Lyona Lybracon III I received	Most Smilar Top Hit Acession Top Hit Bescriptor Top Hit Descriptor Source Source	2.75 0.0E+00 AF231919.1 NT Hamo sepiens chromosome 21 unknown mRNA	2.75 0.0E+00/AF231919.1 INT Homo sapiens chromosome 21 unknown mRNA	0.0E+00 AF231919.1 NT	0.0E+00 4507500 NT	0.0E+00 4503854 NT	D80006.1 NT	0.0E+00[D80006.1 NT	0.0E+00 4507500 NT	0.0E+00 AU134963.1   EST_HUMAN	7.58 0.0E+00 AB028942.1 NT Homo septens mRNA for KIAA1019 protein, partial cds	0.0E+00 Alseso14.1 EST HUMAN	0.0E+00 AW754180.1 EST HUMAN	4503680 NT	0.0E+00 4503680 NT	0.0E+00 4503680 NT	4503680 NT	1.42 0.0E+00 4503680 NT Homo septens tgG Fc binding protein (FC(GAMMA)BP) mRNA	0.0E+00 4503680 NT	0.0E+00 4503680 NT	0.0E+00 4503680 NT		0.0E+00 X74870.1 NT	0.96 0.0E+00 X74870.1 NT   H.seplens gene for RNA pol II largest subunit, exons 23-29	1.07 0.0E+00 X74870.1 NT H.sapiens gene for RNA pol II largest subunit, exons 23-29	1.07 0.0E+00 X74870-1 NT H.sepiens gene for RNA pd II largest subunit, exons 23-29	0.0E+00 4506608 NT	0.0E+00 R17795.		0.0E+00 4503914 NT	0.0E+00 4506728 NT	0.0E+00 AB028942.1 NT	0.0E+00 4507152 NT	l
5	<u>8</u>	0E+00 AF231919.1	0E+00 AF231919.1	0E+00 AF231919.1			0E+00 D80006.1	206.1		0E+00 AU134963.1	0E+00 AB028942.1	0E+00 Al363014.1											.0E+00 X74870.1	.0E+00 X74870.1	.0E+00 X74870.1	.0E+00 X74870.1		R17786.	١.			AB02894		
	Most Expression (To Signal BLA																	1	l	Į	Ì													l
	ORF SEQ ID NO:	26607	26808	L	L	L	28618	28616	26618	26629	26873		ł	26639	26840				28844	26645	ł	28647		26649	28848	28649		28233		20875		26676		l
	SEQ ID	13576	13578	16011	13578	L	L			13593	13635	13636	13601	13603	13604	13604			13606	13607	13608	13609	13610	13610		13610		1		13637	13638			
	Probe SEQ ID NO:	366	388	387	369	372	373	374	376	387	388	8	\$	. 407	408	408	409	410	410	411	412	413	414	414	415	415	419	433		441	442	443	444	

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Single Lyon I to be a separate and a	Top Hit Descriptor	Mus muscutus truncated SON protein (Son) mRNA, complete cds	Journ carriers chromosome 21 segment HS21C001	House experience area recentor 1 (IFNGR1) mRNA	FIGURE SQUEETS WITH MARC 16 Home services CDNA clone IMAGE:335/2348 5	United States & Andrewschertsmine (serotonin) receptor 18 (HTR1B) mRNA	Harris Septents of the control of th	Homo septients o-rival typical line (section) receptor	HOMO Septemble 16 (NOT 19) Indiana	Homo septems Advanta 10 (NAV 10) miles.	Total September of Bergmant HS21 (D46	From squares an entrance 21 seament HS2/0046	FIGURO SECTED A ULLUMOSATIONE DE PROPRIORI D	Homo septens mindry to have produce of the NTZRP4000837 5	AU132635 N ZAT 4 name september 2018 comments and comments (MAGE:3815736 5)	6012/4931F1 NIT MICO_20 Live Capture Control C	PMA-U I UCCS-I SURVIVIOLATION DE L'OCCE I COMP	Nove numan gara imaparing to create the second seco	Hoffine Supposite Coaco process (if the Oscop), in the Oscop part of the Oscop part	IL24-10199-07000-124-07 TO USE I MID Capacia.	Home seprens and A2-bos RT0835 Home sepients CDNA	CAZARASABET NIH LAGC 53 Homo seciens cDNA done INAGE:3898988 5	Home seciens mRNA for KIAA1476 protein, partial ods	Homo septems transcription elongation factor B (SIII), polypeptide 1-like (TCEB1L) mPNA	Homo sarkers quenine nucleotide binding protein (G protein), alpha 11 (Gq class) (GNA11) mRNA	Homo serviers cusmine nucleodide binding protein (G protein), alpha 11 (Gq class) (GNA11) mRNA	Livens earliers and (LOCS4443), mRNA	Long sariens anilin (1.0034443), mRNA	Lomo serviens aniilin (LOCS4443), mRNA	Lower sections X linked ambidrottic ectodermal dysplasta protein gene (EDA), exxxx 2 and flanking repeat	TOUR ORDERS AND THE PROPERTY OF THE PROPERTY O	II ILH-BIT-arbyt-04-0-ULS1 NCI_CGAP_Sub3 Homo sapiens cDNA done IMAGE:2713951 3	Homo sanians RGH1 gene, retrovirus-like element	Lowe combons universing expectation of reductorse, Rieske iron-staffur polypeptide 1 (UQCRFS1), nuclear general	encoding mitochondrial protein, mcNA	
20111071	Top Hit Defebere Source	5				HOMAN	Ę	Ę	¥	Ę	ĮŅ.	Z	NT	NT	EST_HUMAN	EST HUMAN	EST HUMAN	NT	LN	EST HUMAN	Į.	EST HUMAN	ES! HOMAN	ž	Ž	2	Z	- N	Į.		<u> </u>	TOT LINAN	בים בים		NT	
Piling	Top Hit Acessian No.	T	T		4557879	447.1	4504532 NT	4504532 NT	4557887 NT	4557887				_	0.0E+00 AU132898.1	0.0E+00 BE385144.1	0.0E+00 AW838825.1	2			3210.2	3E081527.1	0.0E+00 BF028005.1	0.0E+00 AB040909.1	9006030 N	4504030 IN	4504036 N	1 N LS85268	8923831 NI	IN LOSSON	4 000000	AF003528-1	0.0E+00 AW 135324.1	0.0E+00 D10083.1	6174742 NT	
	Most Similar (Top) Hit BLASTE Value	0 of .00 AE40007 4	O.UETUS	0.0E+00 AL 163201.2	0.0E+00	0.0E+00 BE254	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AL163	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AL11	0.0E+00	0.0E+00 BF37	0.0E+00 /	0.0E+00 BE00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.0E+00	0.0E+00	0.0E+00				0.0E+00	0.0€+00	
	Expression Signal		3	1.45	4.44	0.75	3.38	3.38	21.77	21.77	4.1	5.9	6.9	4.25	1.81	1.88	1.7	1.82	980	1.9	4.43	1.57	1.15	1.57	8.39	4.53	4.53	0.73	0.63	0.63		4.82		6.31	1.85	
	ORF SEQ ID NO:		26679		26992		26706	26707	26715	26718	26722	26723	28724	26720	28731			_			26751	26755		26768	26771	28772	26773	28775		777.82			26786	5	26810	۱
	SEQ ID		13641	13852	13654	13659	13875	13875	13680	13680	13891	13692	13600	_	L	1_	L.	L	L	I.,	Ŀ	1_		18743	13746	13747	13747	13749	13750	13750	_	2 13754	0 13762	0 13772	١.	ı
•	Probe SEQ ID NO:		445	455	659	464	88	8	88	8	498	497	407	Ş	805	E E	617	28	524	289	533	530	\$	350	583	554	55	38	557	32		985	229	989	8	}

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	Top HR Descriptor	Human apolipoprotein A-I (ApoA-I) gens, excn 1	601822827F1 NIH MGC 75 Homo sepiens cDNA clone IMAGE:4045447 5	Homo seniens hundheitzel protein FL/20701 (FL/20701), mRNA	1 20701 mRNA	Homo septens inypoundation trace ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	TOTIO SEPTION INVALIDATION TO POST (FILL 120701) INFINA	Homo septens hypometical protect in 120201 (1122010) missing	Homo saplens hypometical protein reasonal in 1997/10 (in 1997/10) missing	Homo septens hypothetical protein Fuzzovo (Truzzovo), intravio	Homo septens accept control in a control in the con	TOTAL SECTION OF THE	HOMO Septents Office and Oil-Title actually actual transfer and 3	Hamo sapiens NOUT protein (NOUT) gate, saute 1, 4, and 5	Home sepiens mRNA for KIAA1386 protein, partial cus	Homo sapiens fow density lipoprotein-densed protein 2 (LIN 2) III NAS	Homo sapiers fow density ipoprocent-retained protein 2 (LNT 2), illustra	Home septens fow density ipoprotein-textied protein 2 (Livia 2), misses	Homo saplens low density ipoprotein-related protein 2 (LINT 2), IIIINNS	Homo sapiens low density ipoprotein-related protein Z (LINFZ), minuty	260007,71 Sogree tests in in France septents curve, clonic many 1,50007	Homo saplens RGH2 gane, retrovirus #ke exement	#51b04.11 Source, 1988 JNN Special INTLO_01 Full September 1988 (HUMAN);  gb:A21187 ALPHA-2-MACROGLOBULIN PRECURSOR (HUMAN);	2461b04.rt Scares_fetal_fiver_splean_1NPLS_S1 Form Separa Curv. Cu	Homo sapiens novel SH2-containing protein 3 (NSP3) mRNA	Homo sapiene glutamate receptor, tonotropic, N-metriyi D-asparate 20 (Grunzo) muses	Homo sepiens CCAAT-box-binding transcription ractor (CBT-2) minus	Human neutral amino acid transporter (ASCI1) gene, exon 8	Homo sapiens sodiumicalcium exchanger isoform NaCe3 (NCX1) mrNA, complete cos	Homo sepiens sodium/oalditm eachanger isoform NaCaS (NCA1) mrdnA, comprese cus	Homo seplens protein kinase, X-tinked (PRKX) marky	Homo saplens protein Masse, A-minda (Franky) ilimana	Human enoogenous regovirus prile: (Lavie)	
	Top Hit Detabase Source	Z	TUIKAN	TAIN THE									¥	N	NT	NŢ	F	NT	INT	NT	EST_HUMAN	N	EST_HUMAN	EST_HUMAN	٦	M	M	¥	N	N	NT	¥	Ę.	LZ.
,  -	Top Hit Acession No.	58.1	T	0.0E+00 Br 104080.1	I LOSS PER	8923631 NT	8923631 NI	8923631 NT	8923631 NT	8923631 NT	4501854	17121	F221712.1	0.0E+00 AF149773.1	0.0E+00 AB037807.1	E806918 NT	6806918 NT	6806918 NT	FN 8169089	6806918 NT	0.0E+00 AA399488.1	211078.1	0.0E+00 W78811.1	0.0E+00 W78811.1	4885526 NT	F006003 NT	5031624 NT	0.0E+00 U05235.1	AF108389.1	AF108389.1	4826947 NT	4826947 NT	<u>₹</u>	4604424 INT
	Most Similar (Top) Hit BLAST E Vatue	0.0E+00.J040		0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AF2	0.0E+00 AFZ	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 D11(	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AF1	0.0E+00 AF1	0.0E+00	0.0E+00	0.0E+00 X571	0.0E+00
	Expression Signal	7 14		1.87	0.05	0.95	0.77	0.77	0.72	0.72	<del>1</del> 9.0	1.93	1.83	2.19	0.93	1.99	234	234	0.98	860	1.42	6.57	4.28	4.28	3.58	2.16	1.25	1 88	1.07					3.92
}	ORF SEQ ID NO:	†		26824	26826	26827	26826	26827	26826	26827	26830	26836								L		1_	l _	<u> </u>		26885		Ţ						26916
	SEQ ID	40004	2002	13804	13806	13806	13806	13806	13808	13806	13809	ł	١.	L	13826	13828	13820	1_		1	1_	L	<u> </u>		丄	L		L	$\perp$		1	1	L.	13883
	Probe SEQ ID NO:	1	710	615	917	917	618	818	619	619	624	83	83	8	Ş	843	4	844	RAK	S S S S S S S S S S S S S S S S S S S	652	656	8	8	8	3 8		210	0/0	0/0	88	88	8	700

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Table 4
Single Exon Probes Expressed in Placenta

Top Hit Descriptor	Homo sepiens mRNA for KIAA1089 protein, partial cots	Homo sapiens similar to rat integral membrane glycoprotein POM121 (POM121L1), mRNA	np/8001.s1 NCI_CGAP_Br1.1 Home septers cDNA done IMAGE:1129633 3' stimilar to gb:X57352 INTERFERON-INDUCIBLE PROTEIN 1-8U (HUMAN);	Human von Willebrand factor gene, exons 23 through 34	Human von Willebrand factor gene, exons 23 through 34	Homo sapiens TNF receptor-associated factor 1 (TRAF1) mRNA	Homo sapiens ALR-like protein mRNA, partial cds	Homo sapiens ALR-like protein mRNA, partial cds	Homo sapiens hypothetical protein FLJ21634 (FLJ21634), mRNA	TCAAP1D0779 Pediatric acute myelogencus leukemia cell (FAB M1) Baylor-HGSC project=TCAA Homo sepiers cDNA clone TCAAP0779	Homo capiens MHC class I antigen (HLA-G) mRNA, HLA-G1 allele, complete eds	Homo saplens MHC class I antigen (HLA-G) mRNA, HLA-G1 allete, complete cds	Human, plasminogen activator inhibitor-1 gene, exons 2 to 9	Human, plasminogen activator inhibitor-1 gene, excris 2 to 9	Homo sapiens mRNA for KIAA1339 protein, partial cds	Homo saplans zinc finger protein 212 (ZNF212), mFNA	Homo sapiens mRNA for repressor protein, partial ods	601445647F1 NIH_MGC_65 Hamo sapiens aDNA dane IMAGE:3849803 5	y69g08.rf Soares breast 2NbHBst Homo saplens cDNA clone IMAGE:154046 5'	Homo sapiens splicing factor 3a, subunit 1, 120kD (SF3A1), mRNA	Homo sapians gene for AF-8, complete cds	Homo sapiens KIAA0170 gene product (KIAA0170), mRNA	Human mRNA for KIAA0184 gene, partial cds	Human mRNA for KIAA0184 gene, partial ods	H.sapiens mRNA for Interferon aphabeta receptor (long form)	Homo sapiens mRNA for KIAA0910 protein, partial cds	Homo sapiens mRNA for KIAA0910 protein, partial cds	Hamo sapiens pericentrin (PCNT) mRNA	Homo sapiens T-cell lymphoma Invesion and metastasis 1 (TIAM1) mRNA	Homo sapiens hormonally upregulated neu tumor-essociated kinase (HUNK), mRNA	Homo sapiens hormonally upregulated neu tumor-essociated kinase (HUNK), mRNA	Homo capiens potassium voltage-gated channel, tak-related family, member 1 (KCNE1) mRNA
Top Hit Database Source	TN		EST HUMAN	1	N			ᅜ		EST HUMAN	Ę	Ę		NT	¥		NT	EST_HUMAN	EST_HUMAN		NT				NT	NT	NT					
Top Hit Acession No.	0.0E+00 AB029012.1	7657468 NT	VA614537.1		M60675.1	5032182 NT	34750.1	\F264750.1	11545800 NT	3E241577.1	AF226990.2	AF228990.2	103764.1	103764.1	4B037760.1	6912749 NT	330612.1	3E869735.1	348915.1	5032086 NT	<b>\B011399.1</b>	7661965 NT	380008.1	380008.1	(89772.1	AB020717.1	AB020717.1	5174478 NT	4507500 NT	7657213 NT	7657243 NT	4557686 NT
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00 AAG	0.0E+00 M60	0.0E+00 M60	0.0E+00	0.0E+00 AF2	0.0E+00 AF2	0.0E+00	0.0E+00 BE2	0.0E+00 AF2	0.0E+00 AF2	0.0E+00 J037	0.0E+00 J037	0.0E+00 ABO	0.0E+00	0.0E+00 D30	0.0E+00 BE8	0.0E+00 R48	0.0E+00	0.0E+00 AB0	0.0E+00	0.0E+00 D80	0.0E+00 D80	0.0E+00 X89	0.0E+00 ABO	0.0E+00 ABO	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	4.94	3.83	13.13	6.4	6.4	1.35	4.62	4.62	9.17	2.26	1.19	1.19	8.82	8.82	96'0	2.07	2.36	3.55	404	285	1.64	3.04	124	1.24	2.74	3.25	3.25	13.47	11.09	1.65	2.46	1.84
ORF SEQ ID NO:	26920	26935	26949 26949	26953	28954	26963	26969	26970	26973	26981	27005	27006	27009	27010	27011	27012	27014	27015	27021	27022	27031	27035	27048	27049	27053	27057	27068	27064	Ĺ		27086	27088
SEQ ID NO:	13888	13897	13909	13913	13913	13923	13928	13928	13930	13936	13966	13955	13958	13958	13961	13962	16022	13964	13969	13970	13979	13983	13994	13994	13989	14003	14003	14007	14008	14025	14026	14028
Probe SEQ ID NO:	705	715	127	3	33	741	747	747	749	755	776	775	877	877	781	782	787	785	780	Ę	008	88	815	815	820	824	824	88	83	847	848	820

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No.   Signal   Bi, No.						
27094         2.19         0.0E+00 AF108830.1         NT           27095         2.19         0.0E+00 AF108830.1         NT           27096         1.45         0.0E+00 AF108830.1         NT           27096         1.37         0.0E+00 AF108830.1         NT           27106         1.37         0.0E+00 AF108830.1         NT           27107         1.37         0.0E+00 AF027153.1         NT           27118         6.27         0.0E+00 AF02842.1         NT           27121         1.37         0.0E+00 AF02842.1         NT           27122         3.87         0.0E+00 AF02842.1         NT           27123         1.32         0.0E+00 AF02842.1         NT           27124         4.23         0.0E+00 AF02842.1         NT           27125         1.54         0.0E+00 AF02842.1         NT           27126         1.54         0.0E+00 AF02842.1         NT           27127         1.82         0.0E+00 AF02842.1         NT           27128         1.54         0.0E+00 AF02842.1         NT           27129         1.54         0.0E+00 AF028022.1         EST_HUMAN           27120         1.54         0.0E+00 AF038272.1         EST_HUMAN <td></td> <td></td> <td>Most Similar (Top) Hit BLAST E Value</td> <td></td> <td></td> <td>Top Hit Descriptor</td>			Most Similar (Top) Hit BLAST E Value			Top Hit Descriptor
27095         2.19         0.0E+00 AF108830.1         NT           27096         1.45         0.0E+00 AF108830.1         NT           27101         2.85         0.0E+00 AF108830.1         NT           27106         1.37         0.0E+00 AF027453.1         NT           27107         1.37         0.0E+00 AF027453.1         NT           27118         5.27         0.0E+00 AF027453.1         NT           27120         1.37         0.0E+00 AF027453.1         NT           27121         2.07         0.0E+00 AF027453.1         NT           27120         1.37         0.0E+00 AF028942.1         NT           27121         1.54         0.0E+00 AF028942.1         NT           27120         1.54         0.0E+00 AF02894.1         NT           27120         1.54         0.0E+00 AF028927.1         EST HUMAN           27130         1.45         0.0E+00 AF027133         NT			0.0E+00	08830.1		tomo sapiens setine-tirecrine protein kinase (MNBH) mRNA, complete cds
27036         1,45         0.0E+00         AF30364         NT           27101         2.85         0.0E+00         4503864         NT           27107         1.37         0.0E+00         4507300         NT           27108         1.37         0.0E+00         4507300         NT           27107         1.37         0.0E+00         AF027153.1         NT           27118         5.27         0.0E+00         AF07162         NT           27121         4.03         0.0E+00         AF07162         NT           27122         3.87         0.0E+00         AF027162         NT           27123         1.54         0.0E+00         AF0270717.1         NT           27126         1.54         0.0E+00         AF0220717.1         NT           27127         1.82         0.0E+00         AF0220717.1         NT           27128         1.34         0.0E+00         AF0320717.1         NT           27129         1.4         0.0E+00         AF0320717.1         NT           27130         1.4         0.0E+00         AF0320717.1         NT           27131         2.54         0.0E+00         AF057213         NT <tr< td=""><td></td><td></td><td>0.0E+00</td><td>08830.1</td><td></td><td>Iomo sapiens cerine directine protein forasse (MINDH) IIII V., Complete de</td></tr<>			0.0E+00	08830.1		Iomo sapiens cerine directine protein forasse (MINDH) IIII V., Complete de
27101         2.85         0.0E+00         4502854 NT           27106         1.37         0.0E+00         4507500 NT           27106         1.37         0.0E+00         4507500 NT           27107         1.37         0.0E+00         4507500 NT           27107         0.0E+00         AP027153.1         NT           27118         5.27         0.0E+00         AP027152.1         NT           27120         11.32         0.0E+00         AB028942.1         NT           27121         4.03         0.0E+00         AB028942.1         NT           27122         3.87         0.0E+00         AB028942.1         NT           27124         4.03         0.0E+00         AB028942.1         NT           27126         1.54         0.0E+00         AB028077.7.1         NT           27127         1.54         0.0E+00         AB028077.7.1         NT           27128         1.54         0.0E+00         AB028077.7.1         NT           27129         1.44         0.0E+00         AB028077.7.1         NT           27130         1.44         0.0E+00         AB02802.1         NT           27131         2.54         0.0E+00			0.0E+00	AF108830.1		formo sapiens serine-ureonine provent nuisse (marsa), in co.; conspired (GABPA), mRNA
Z7106         1.37         0.0E+00         4507500 NT           Z7107         1.37         0.0E+00         4507153.1         NT           Z7118         6.27         0.0E+00 AP027153.1         NT         P           Z7119         6.27         0.0E+00 AP027153.1         NT         P           Z7120         11.32         0.0E+00 AP028042.1         NT         P           Z7121         6.27         0.0E+00 AP028042.1         NT         P           Z7122         3.87         0.0E+00 AP028042.1         NT         P           Z7122         3.87         0.0E+00 AP028042.1         NT         NT           Z7126         1.54         0.0E+00 AP028042.1         NT         NT           Z7127         1.82         0.0E+00 AP028042.1         NT         NT           Z7128         1.54         0.0E+00 AP028042.1         NT         NT           Z7129         1.54         0.0E+00 AP028042.1         NT         NT           Z7120         1.54         0.0E+00 AP0280277.1         NT         NT           Z7130         1.44         0.0E+00 AP02802.2         EST HUMAN           Z7131         1.25         0.0E+00 AP02802.2         AF04088 NT						Home segments Carrollating protessin and metastesis 1 (TIAMT) mRNA
Z7107         1.37         0.0E+00         4507500         NT         F           Z7118         5.27         0.0E+00         AB02842.1         NT         F           Z7119         6.27         0.0E+00         AB028942.1         NT         F           Z7120         11.32         0.0E+00         AB028942.1         NT         F           Z7121         4.03         0.0E+00         AB028942.1         NT         F           Z7122         3.87         0.0E+00         AB028942.1         NT         NT           Z7122         3.87         0.0E+00         AB028942.1         NT         NT           Z7122         3.87         0.0E+00         AB0280717.1         NT         NT           Z7126         1.54         0.0E+00         AB0280717.1         NT         NT           Z7127         1.82         0.0E+00         AB0280717.1         NT         NT           Z7128         1.54         0.0E+00         AB0280717.1         NT         NT           Z7130         1.4         0.0E+00         AB028071.1         NT         NT           Z7131         1.4         0.0E+00         AB02802.1         EST HUMAN         NT			0.0E+00			Agno septems 1 Call militaring investors and materials 1 (TIAM1) mRNA
207   0.0E+00   AF027153.1   NT   1   1   1   1   1   1   1   1   1			0.0E+00	4507500		Igno septers 1-dellymphonia investori and independent (1 graff) in a first fir
27118         6.27         0.0E+00         AB028942.1         NT           27119         6.27         0.0E+00         AB028942.1         NT           27120         11.32         0.0E+00         AB028942.1         NT           27121         4.03         0.0E+00         AB028942.1         NT           27122         3.87         0.0E+00         AB028717.1         NT           27126         1.54         0.0E+00         AB028717.1         NT           27127         1.82         0.0E+00         AB028717.1         NT           27128         1.54         0.0E+00         AB028717.1         NT           27129         1.82         0.0E+00         AB028717.1         NT           27120         1.82         0.0E+00         AB332872.1         EST HUMAN           27130         1.4         0.0E+00         AF07213         NT           27131         2.54         0.0E+00         TF67213         NT           27140         1.93         0.0E+00         AL163203.2         NT           27150         1.93         0.0E+00         AL163203.2         NT           2716         1.93         0.0E+00         AL60498         NT	<u> </u>			27153.1		Igno septems continued to the september of the september
27119         6.27         0.0E+00         AB028942.1         NT           27120         11.32         0.0E+00         AB028942.1         NT           27121         4.03         0.0E+00         AB028942.1         NT           27122         3.87         0.0E+00         AB0280717.1         NT           27126         1.54         0.0E+00         AB0280717.1         NT           27127         1.82         0.0E+00         AB0280717.1         NT           27128         1.82         0.0E+00         AB0280717.1         NT           27129         1.82         0.0E+00         AB0280717.1         NT           27120         1.82         0.0E+00         AB0280717.1         NT           27120         1.82         0.0E+00         AB0280717.1         NT           27130         1.4         0.0E+00         AF07213         NT           27131         2.54         0.0E+00         T667213         NT           27140         1.93         0.0E+00         AL163203.2         NT           2716         1.93         0.0E+00         AL163203.2         NT           2716         1.93         0.0E+00         AL163203.2         NT				28942.1		HOTEL SEIDERS MINNA IN NOV. 10 Provide Annual Provide Annual Provide Annual Ann
27120         11.32         0.0E+00         4507162         NT           27121         4.03         0.0E+00         AB02842.1         NT           27122         8.87         0.0E+00         AB028717.1         NT           27126         1.54         0.0E+00         AB028717.1         NT           27126         1.54         0.0E+00         AB028717.1         NT           27127         1.82         0.0E+00         AA838272.1         EST HUMAN           27128         1.82         0.0E+00         AA838272.1         EST HUMAN           27129         1.82         0.0E+00         AR838272.1         EST HUMAN           27130         1.4         0.0E+00         AF87218         NT           27131         2.54         0.0E+00         AF87218         NT           27132         2.54         0.0E+00         AF87218         NT           27146         1.93         0.0E+00         AL163203.2         NT           2716         1.93         0.0E+00         AL163203.2         NT           27170         2.7         0.0E+00         AL163203.2         NT           27170         2.7         0.0E+00         AL163203.2         NT			0.0E+00	AB028942.1		Homo sapiens miking for kind for the use cas
27121         4.03         0.0E+00         AB028942.1         NT           27122         3.87         0.0E+00         4508728         NT           27125         1.54         0.0E+00         AB020717.1         NT           27126         1.54         0.0E+00         AB020717.1         NT           27127         1.82         0.0E+00         AB020717.1         NT           27128         1.82         0.0E+00         AB33272.1         EST HUMAN           27129         1.82         0.0E+00         AB33272.1         EST HUMAN           27130         1.4         0.0E+00         T657213         NT           27131         2.54         0.0E+00         T657213         NT           27132         2.54         0.0E+00         T657213         NT           27143         1.53         0.0E+00         AB08562.1         EST HUMAN           27146         1.53         0.0E+00         AB08662.1         EST HUMAN           27161         1.53         0.0E+00         AB08662.1         EST HUMAN           27170         2.7         0.0E+00         AL08203.2         NT           27171         0.69         0.0E+00         AB0468				4507152		Jomo saplens SON DNA binding protein (SON) minner
27122         3.87         0.0E+00         4508728         NT           27125         1.54         0.0E+00         AB020717.1         NT           27126         1.54         0.0E+00         AB020717.1         NT           27127         1.82         0.0E+00         AA833272.1         EST HUMAN           27128         1.82         0.0E+00         AA833272.1         EST HUMAN           27129         1.82         0.0E+00         AF87218         NT           27130         1.4         0.0E+00         T657218         NT           27131         2.54         0.0E+00         T657213         NT           27143         2.54         0.0E+00         T657213         NT           27150         1.93         0.0E+00         A404958         NT           2716         1.93         0.0E+00         A404958         NT           2717         0.0E+00         BE089562.1         EST HUMAN           2717         1.42         0.0E+00         A404968         NT           2717         0.0E+00         A404968         NT         NT           2717         0.6E+00         A404968         NT           2717         0.6B <td>1</td> <td></td> <td></td> <td>2894</td> <td></td> <td>HOMO SAPIENS TITIKINA TOT NIAKTIO TO PROCEST, POR USE CASE</td>	1			2894		HOMO SAPIENS TITIKINA TOT NIAKTIO TO PROCEST, POR USE CASE
27125         1.54         0.0E+00 AB020717.1         NT           27126         1.54         0.0E+00 AB020717.1         NT           27127         1.82         0.0E+00 AB33272.1         EST HUMAN           27128         1.82         0.0E+00 AB33272.1         EST HUMAN           27129         1.82         0.0E+00 AB33272.1         EST HUMAN           27129         1.82         0.0E+00 BF07894.1         EST HUMAN           27130         1.4         0.0E+00 T657213 NT         T657213 NT           27131         2.54         0.0E+00 T657213 NT         T657213 NT           27146         1.53         0.0E+00 T657213 NT         NT           27160         1.53         0.0E+00 BE08562.1         EST HUMAN           27161         1.53         0.0E+00 BE08562.1         EST HUMAN           27161         1.53         0.0E+00 AL163203.2         NT           27170         2.7         0.0E+00 AL163203.2         NT           27171         0.69         0.0E+00 AL089747.1         NT           27176         1.42         0.0E+00 S68364.1         NT           27178         0.69         0.0E+00 S68364.1         NT           27180         0.71         0.0E+00 S683						Homo sapiens ribosomial protein 33 (nr. 33) III/N n
27126         1.54         0.0E+00 AB32372.1         INT           27127         1.82         0.0E+00 AB32372.1         EST HUMAN           27128         1.82         0.0E+00 AB32372.1         EST HUMAN           27129         1.82         0.0E+00 BF077894.1         EST HUMAN           27130         1.4         0.0E+00 T657213 NT         T657213 NT           27131         2.54         0.0E+00 T657213 NT         T7           27132         2.54         0.0E+00 T657213 NT         T7           2716         0.98         0.0E+00 T657213 NT         T7           2716         1.93         0.0E+00 T657213 NT         T7           2716         1.93         0.0E+00 AL163203.2         NT           2716         1.93         0.0E+00 AL163203.2         NT           27170         2.7         0.0E+00 AL163203.2         NT           27170         2.7         0.0E+00 AL163203.2         NT           27177         0.0E+00 AL163203.2         NT           27177         0.0E+00 AL163203.2         NT           27176         0.0E+00 AL089747.1         NT           27177         0.0E+00 G89364.1         NT           27180         0.0E+00 G89364.1						Homo sapiens mRNA for KLAAUVIU procest, per usu cus
Z7127         1.82         0.0E+00 AA633272.1         EST HUMAN           Z7128         1.82         0.0E+00 AA633272.1         EST HUMAN           Z7129         8.41         0.0E+00 BF677894.1         EST HUMAN           Z7130         1.4         0.0E+00 T657213 NT         T657213 NT           Z7131         2.54         0.0E+00 T657213 NT         T657213 NT           Z7132         2.54         0.0E+00 T657213 NT         T657213 NT           Z7165         0.08         0.0E+00 T657213 NT         NT           Z7160         1.53         0.0E+00 BE089582.1         EST HUMAN           Z7161         1.53         0.0E+00 BE089582.1         EST HUMAN           Z7170         2.7         0.0E+00 BE089582.1         EST HUMAN           Z7170         2.7         0.0E+00 BE089582.1         EST HUMAN           Z7170         2.7         0.0E+00 BE089582.1         NT           Z7170         9.06         0.0E+00 AL93233.2         NT           Z7176         1.42         0.0E+00 AL9323.2         NT           Z7177         0.69         0.0E+00 BE08954.1         NT           Z7178         0.69         0.0E+00 BE08984.1         NT           Z7180         0.71						Hamo Sapiens mixing to Duto Louis anticon CINA chara IMACE 997463
27128         1.82         0.0E+00 AA633272.1         EST HUMAN           27129         8.41         0.0E+00 BF677894.1         EST HUMAN           27130         1.4         0.0E+00 T857213 NT         T857213 NT           27131         2.54         0.0E+00 T657213 NT         T657213 NT           27132         2.54         0.0E+00 T657213 NT         T677213 NT           27156         0.0B         0.0E+00 T657213 NT         T7           27160         1.53         0.0E+00 BE089562.1         EST HUMAN           27161         1.53         0.0E+00 BE089562.1         EST HUMAN           27170         2.7         0.0E+00 BE089562.1         EST HUMAN           27171         9.06         0.0E+00 AL183203.2         NT           27170         9.06         0.0E+00 AL183203.2         NT           27176         1.42         0.0E+00 AL183203.2         NT           27177         9.06         0.0E+00 AL98958.1         NT           27176         1.42         0.0E+00 AL9894.1         NT           27178         0.69         0.0E+00 S68984.1         NT           27178         0.69         0.0E+00 S68984.1         NT           27189         0.71         0.0E+00	L				П	nje6dO/.st NCI_CGAP_FITU numbers conditions in the lima conditions conditions in the lima conditions conditions in the lima conditions conditions in the lima conditions conditions in the lima conditions conditions in the liman conditions conditions in the liman conditions conditions in the liman conditions conditions in the liman condition conditions in the liman conditions in the liman
27129 1.4 0.0E+00 BF677894.1 EST_HUMAN 27130 1.4 0.0E+00 77857213 NT 27131 2.54 0.0E+00 77857213 NT 27132 2.54 0.0E+00 77857213 NT 27156 0.98 0.0E+00 77857213 NT 27160 1.93 0.0E+00 BE089562.1 EST_HUMAN 27161 1.93 0.0E+00 BE089562.1 EST_HUMAN 27170 2.77 0.0E+00 BE089562.1 EST_HUMAN 27171 0.0E+00 AL183203.2 NT 27170 0.0E+00 AL183203.2 NT 27170 0.0E+00 AL183203.1 NT 27171 0.0E+00 AF08914.1 NT 27178 0.0E+00 S68984.1 NT 27178 0.0E+00 S68984.1 NT 27178 0.0E+00 S68984.1 NT 27178 0.0E+00 S68984.1 NT 27178 0.0E+00 L28101.1 NT 27180 0.71 0.0E+00 Z20568.1 NT	L			1	Т	Appendix No. 100 82 Home content of the MAGE:4248916 6
27129         1.4         0.0E+00         77657213 NT           27130         1.4         0.0E+00         77657213 NT           27131         2.54         0.0E+00         77657213 NT           27132         2.54         0.0E+00         7767213 NT           27156         0.98         0.0E+00         7767213 NT           27160         1.93         0.0E+00 BE089562.1         EST_HUMAN           27161         1.93         0.0E+00 BE089562.1         EST_HUMAN           27170         2.7         0.0E+00 BE089562.1         EST_HUMAN           27171         0.0E+00 BE089562.1         EST_HUMAN           27176         1.42         0.0E+00 AL163203.2         NT           27177         0.69         0.0E+00 AL163203.1         NT           27177         0.69         0.0E+00 AL69268.1         NT           27177         0.69         0.0E+00 AL98747.1         NT           27178         0.69         0.0E+00 S68364.1         NT           27180         0.71         0.0E+00 C20656.1         NT           27180         0.71         0.0E+00 C20656.1         NT				7	HUMAN	60,20850/art I Nin _ Middle on Facility States of the States (HUNK), mRNA
27130         1.4         0.0E+00         7757213         NT           27131         2.54         0.0E+00         7757213         NT           27132         2.54         0.0E+00         7757213         NT           27156         0.98         0.0E+00         AL163203.2         NT           27160         1.93         0.0E+00         BE089582.1         EST_HUMAN           27170         2.7         0.0E+00         BE089582.1         EST_HUMAN           27170         2.7         0.0E+00         BE089582.1         EST_HUMAN           27170         2.7         0.0E+00         AL63203.2         NT           27171         9.0B         0.0E+00         A504958         NT           27177         0.0B         0.0E+00         A504958         NT           27177         0.0B         0.0E+00         A504958         NT           27178         0.0B         0.0E+00         S69364.1         NT           27178         0.0B         0.0E+00         S68364.1         NT           27178         0.0B         0.0E+00         S68364.1         NT           27180         0.71         0.0E+00         C20568.1         NT						Homo septens normanally upiteguiated fleet million accordated kinese (HUNK), mRNA
Z7131         2.54         0.0E+00         7857213 NT           Z7132         2.54         0.0E+00         7657213 NT           Z7165         0.98         0.0E+00 AL163203.2         NT           Z7160         1.93         0.0E+00 BE089582.1         EST_HUMAN           Z7170         2.7         0.0E+00 BE089582.1         EST_HUMAN           Z7170         2.7         0.0E+00 BE089582.1         EST_HUMAN           Z7170         2.7         0.0E+00 AL163203.2         NT           Z7176         9.0B         0.0E+00 AL163203.2         NT           Z7177         0.0E+00 AL163203.2         NT           Z7177         0.0E+00 AL263203.2         NT           Z7177         0.0E+00 AL263203.2         NT           Z7177         0.0E+00 AL263203.1         NT           Z7178         0.0B+00 S69364.1         NT           Z7178         0.0E+00 S69364.1         NT           Z7180         0.0E+00 C20658.1         NT           Z7181         0.71         0.0E+00 C20658.1         NT						Homo septens normal and upreguated the man associated kinese (HUNK), mRNA
Z7132         2.54         0.0E+00         AL163203.2         NT           Z7165         0.98         0.0E+00         AL163203.2         NT           Z7160         1.93         0.0E+00         BE089582.1         EST_HUMAN           Z7171         2.7         0.0E+00         BE089582.1         EST_HUMAN           Z7170         2.7         0.0E+00         BE089582.1         EST_HUMAN           Z7170         2.7         0.0E+00         AL63203.2         NT           Z7176         1.42         0.0E+00         AF04958 NT         NT           Z7177         0.69         0.0E+00         AF049547.1         NT           Z7178         0.69         0.0E+00         AF089747.1         NT           Z7178         0.69         0.0E+00         S69364.1         NT           Z7178         0.69         0.0E+00         S68364.1         NT           Z7180         0.69         0.0E+00         S68364.1         NT           Z7180         0.71         0.0E+00         Z20568.1         NT           Z7184         0.71         0.0E+00         Z20568.1         NT					Į.	Homo septers (ALIMA Ray) uplegatation that the properties (HUNK), mRNA
Z7155         0.98         0.0E+00 AL163203.2         NT           Z7160         1.93         0.0E+00 BE089562.1         EST_HUMAN           Z7171         1.93         0.0E+00 BE089562.1         EST_HUMAN           Z7170         2.7         0.0E+00 AL163203.2         NT           27171         9.06         0.0E+00 AL163203.2         NT           Z7176         1.42         0.0E+00 AL163203.2         NT           Z7177         0.0B+00 AL163203.2         NT           Z7177         0.0E+00 AL089747.1         NT           Z7178         0.0B+00 S69364.1         NT           Z7179         0.6B+00 S69364.1         NT           Z7178         0.6B+00 S69364.1         NT           Z7180         0.6B+00 S69364.1         NT           Z7180         0.6B+00 S69364.1         NT           Z7180         0.71         0.0E+00 Z20658.1         NT           Z7183         0.71         0.0E+00 Z20658.1         NT				7657213	LN	HOTO SACRETS FIGURALLY Upregramment HS21C2003
Z7160         1.93         0.0E+00         BE089562.1         EST_HUMAN           Z7171         1.93         0.0E+00         BE089562.1         EST_HUMAN           Z7170         2.7         0.0E+00         AL163203.2         NT           2.7         0.0E+00         AL163203.2         NT           2.7170         9.0B         0.0E+00         4504958         NT           2.7177         0.0B         0.0E+00         AF089747.1         NT           2.7178         0.0B         0.0E+00         S69364.1         NT           2.7178         0.6B         0.0E+00         S68364.1         NT           2.7180         0.71         0.0E+00         Z20658.1         NT           2.7184         0.71         0.0E+00         Z20658.1         NT				63203.2	Ę	HOTO Express Gradinas Lines - a Suitant from contant CDNA
Z7181         1.93         0.0E+00         BE089562.1         EST_HUMAN           Z7170         2.7         0.0E+00         AL163203.2         NT           9.06         0.0E+00         4504958         NT           Z7176         1.42         0.0E+00         AF089747.1         NT           Z7177         0.69         0.0E+00         S69364.1         NT           Z7178         0.69         0.0E+00         S69364.1         NT           Z7179         0.69         0.0E+00         S68364.1         NT           Z7178         0.69         0.0E+00         S68364.1         NT           Z7180         0.69         0.0E+00         S68364.1         NT           Z7180         0.69         0.0E+00         Z20656.1         NT           Z7183         0.71         0.0E+00         Z20656.1         NT				BE089592.1	EST_HUMAN	QVO-BIU/US-2844UF-ZII-BIU/US TIGIIS SQUARE CONS.
Z7170         2.7         0.0E+00 AL163203.2         NT           9.06         0.0E+00 AL163203.2         NT           9.06         0.0E+00 AF04958 NT         AF04958 NT           27176         1.42         0.0E+00 AF089747.1         NT           Z7177         0.69         0.0E+00 S69364.1         NT           Z7178         0.69         0.0E+00 S69364.1         NT           Z7179         0.69         0.0E+00 S69364.1         NT           Z7180         1.62         0.0E+00 L28101.1         NT           Z7183         0.71         0.0E+00 Z20658.1         NT           Z7184         0.71         0.0E+00 Z20658.1         NT				BE0895921	EST_HUMAN	(IVV-BIO/W-Z04W-Z11-git Bio/W inches Common HS2) (2003
9.06   0.0E+00   4504958   NT     9.69   0.0E+00   4504958   NT     27176   1.42   0.0E+00   AF089747.1   NT     27177   0.69   0.0E+00   S69364.1   NT     27178   0.69   0.0E+00   S69364.1   NT     27179   0.69   0.0E+00   C89364.1   NT     27178   1.62   0.0E+00   L28101.1   NT     27180   0.71   0.0E+00   Z20668.1   NT     27181   0.71   0.0E+00   Z20658.1   NT     27182   0.71   0.0E+00   Z20658.1   NT     27184   0.71   0.0E+00   Z20658.1   NT     27185   0.71   0.0E+00   Z20658.1   NT     27187   0.71   0.0E+00   Z20658.1   NT				88	¥	Homo septens criminating 1 (2747) Programal protein SAV (LAMR1), mRNA
27176         1.42         0.0E+00         AF04958 NT           Z7177         0.69         0.0E+00 S6936.1         NT           Z7178         0.69         0.0E+00 S6936.1         NT           Z7179         0.69         0.0E+00 S6936.1         NT           Z7179         0.69         0.0E+00 S6936.1         NT           Z7180         1.62         0.0E+00 L28101.1         NT           Z7183         0.71         0.0E+00 Z20658.1         NT           Z7184         0.71         0.0E+00 Z20658.1         NT					뉟	Homo septems remining to the process of the process
27.176         1.42         0.0E+00 AF089747.1         NT           27.177         0.69         0.0E+00 Seg364.1         NT           27.178         0.69         0.0E+00 Seg364.1         NT           27.179         0.69         0.0E+00 Seg364.1         NT           27.180         1.62         0.0E+00 L28101.1         NT           27.183         0.71         0.0E+00 Z20656.1         NT           27.184         0.71         0.0E+00 Z20656.1         NT	115	69.6			<b>\</b>	From September 1 (2772), Indicate Property Color
Z7177         0.68         0.0E+00 S99364.1         NT           Z7178         0.29         0.0E+00 S99364.1         NT           Z7179         0.59         0.0E+00 S99364.1         NT           Z7180         1.62         0.0E+00 L28101.1         NT           Z7183         0.71         0.0E+00 L28101.1         NT           Z7184         0.71         0.0E+00 Z20656.1         NT				AF089747.1	M	Homo sapiens appra-1-anidnymusyssin prevaleus, initiator, paramento of 51
Z7178         0.69         0.0E+00 S69364.1         NT           Z7179         0.59         0.0E+00 S69364.1         NT           Z7180         1.62         0.0E+00 L28101.1         NT           Z7183         0.71         0.0E+00 Z20656.1         NT           Z7184         0.71         0.0E+00 Z20656.1         NT				\$60364.1	N.	protein Cinhibitor (human, leukocytes, centumic, 1210 ill., segment 2 of 51
Z7176         0.59         0.0E+00   S68364.1         NT           Z7180         1.62         0.0E+00   L28101.1         NT           Z7183         0.71         0.0E+00   Z20656.1         NT           Z7184         0.71         0.0E+00   Z20656.1         NT				S69364.1	NT	protein Cinhibitor Inuman, Follocytes, Centralic, 1210114, segment 2 of 51
Z7180         1.62         0.0E+00   Z8101.1         NT           Z7183         0.71         0.0E+00   Z20656.1         NT           Z7184         0.71         0.0E+00   Z20656.1         NT				566364.1	LN	progen Cirrilator (numeri, realwayses, Certains, 121014 againment
Z7183 0.71 0.0E+00 Z20666.1 NT Z7184 0.71 0.0E+00 Z20656.1 NT	١			1 28101.1	Į,	Home sapers Kalistatii (T.P.) yere, eware 1.1, centrical
27/184 0.71 0.0E+00[220856.1 NT			L	0 220656.1	Į,	Homo sapiens of cardiac alpha-mycsin newy chain some
			L	0 220858.1	TN	Homo septens of cardisc signa-mycsin neavy or mullyone
2			ORF SEQ Expression Signal Sign	ORF SEQ         Expression (Top Signal No.)         Most (Top Signal No.)           ID NO:         Signal No.         PLA           27094         2.19         0           27095         2.19         0           27096         1.45         0           27101         2.86         0           27107         1.37         0           27120         1.37         0           27121         2.07         0           27122         1.87         0           27123         1.54         0           27124         4.03         0           27125         1.54         0           27126         1.54         0           27127         1.54         0           27128         1.54         0           27129         1.54         0           27120         1.54         0           27131         2.54         0           27170         1.93         0           6         27170         1.93           6         27170         0.69           8         27170         0.69           8         27170         0.69 <td>ORF SEQ         Expression         Most Similar         No.         Value         No.           27094         2.19         0.0E+00 AF108630.1         No.           27095         2.19         0.0E+00 AF108630.1         No.           27096         1.45         0.0E+00 AF108630.1         No.           27107         2.85         0.0E+00 AF108630.1         No.           27106         1.37         0.0E+00 AF108630.1         No.           27107         1.37         0.0E+00 AF108630.1         No.           27107         1.37         0.0E+00 AF027153.1         No.           27118         5.27         0.0E+00 AF027153.1         No.           27119         5.27         0.0E+00 AF027153.1         No.           27120         1.37         0.0E+00 AF027153.1         No.           27121         4.03         0.0E+00 AF027153.1         No.           27122         3.87         0.0E+00 AF027153.1         No.           27123         1.54         0.0E+00 AF02717.1         No.           27126         1.54         0.0E+00 AF02717.1         No.           27127         1.42         0.0E+00 AF02717.1         No.           27131         2.54         <td< td=""><td>  December   Crop   Ht   Crop   Ht   Accession   Crop   Ht   Crop   C</td></td<></td>	ORF SEQ         Expression         Most Similar         No.         Value         No.           27094         2.19         0.0E+00 AF108630.1         No.           27095         2.19         0.0E+00 AF108630.1         No.           27096         1.45         0.0E+00 AF108630.1         No.           27107         2.85         0.0E+00 AF108630.1         No.           27106         1.37         0.0E+00 AF108630.1         No.           27107         1.37         0.0E+00 AF108630.1         No.           27107         1.37         0.0E+00 AF027153.1         No.           27118         5.27         0.0E+00 AF027153.1         No.           27119         5.27         0.0E+00 AF027153.1         No.           27120         1.37         0.0E+00 AF027153.1         No.           27121         4.03         0.0E+00 AF027153.1         No.           27122         3.87         0.0E+00 AF027153.1         No.           27123         1.54         0.0E+00 AF02717.1         No.           27126         1.54         0.0E+00 AF02717.1         No.           27127         1.42         0.0E+00 AF02717.1         No.           27131         2.54 <td< td=""><td>  December   Crop   Ht   Crop   Ht   Accession   Crop   Ht   Crop   C</td></td<>	December   Crop   Ht   Crop   Ht   Accession   Crop   Ht   Crop   C

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Top Hit Descriptor	Human ras inhibitor mRNA, 3' and	Human res inhibitor mRNA, 3' end	Human ras thibitor mRNA, 3' end	Homo sepiens thyrotrophic embryonic factor (TEF), mRNA	Homo sepiens thyrotrophic embryonic factor (TEF), mRNA	0898603.81 NCI CGAP GC3 Hamo septens cDNA dane IMAGE:16134043	0688603.s1 NCI_CGAP_GC3 Homo sepiens cDNA done INAGE:18134043'	Homo sapiens KIAA0629 protain Mss2 Interacting nuclear target (MINT) homotog (KIAA0829), mRNA	Homo sapiens mRNA for PSP24, complete cds	PMZ-GN0014-050900-001-f02 GN0014 Homo sapiens cDNA	PM2-GN0014-050900-001-f02 GN0014 Hamo sapiens oDNA	PM2-GN0014-050900-001-f02 GN0014 Hamo septens cDNA	Homo sepiens partial orign gene, exons 2 and 3	Homo sapiens partial c-fgr gene, exons 2 and 3	Homo sapiens chromodemain protein, Y chromosome-like (CDVL) mRNA	Human beta-tubulin (TUB4q) gene, complete cds	Human beta-tubulin (TUB4q) gene, complete cds	Human beta-tubulin (TUB4q) gene, complete cds	Homo sepiens 8q22.1 region and MTG8 (CBFAZT1) gene, partial cds	Homo sepiens 8q22.1 region and MTG8 (CBFAZT1) gene, partial cds	Homo sapiens 14q32 Jagged2 gene, complete cds; and unknown gene	Homo sepiens 14q32 Jegged2 gene, complete cds; and unknown gene	Homo sapiens 14q32 Jagged2 gene, complete cds; and unknown gene	Homo sapiens 14q32 Jagged2 gene, complete cds; and unknown gene	Homo saplens DKFZP586M0122 protein (DKFZP586M0122), mRNA	Homo sapiens Inner membrane protein, mitochondrial (mitofilin) (IMMT), mRNA	ea88g07.s1 Stratagene fetal retins 937202 Home septens cDNA clone IMAGE-838226 3' similar to SW:PRSS_HUMAN P47210.28S PROTEASE REGILATORY SUBUNIT 6:	EST51124 WATM1 Homo septens CDNA clone 51124 similar to DNA-DIRECTED RNA POLYMERASE II	(alignment Ser and Pro with BLASTx or p)	EST51/24 WATM1 Homo sapiens cDNA clone 51/24 similar to DNA-DIRECTED RNA POLYMERASE II (alignment Ser and Pro with BLASTx or p)	Homo sapiens TRAF family member-essociated NFKB ectivator (TANK) mRNA
Top Hit Databese Source	NT	N	N	¥	¥	EST HUMAN	EST_HUMAN		F	EST_HUMAN	EST_HUMAN	T HUMAN	¥	Ę			Į.	Ę	¥				M	<b>Z</b>			EST_HUMAN	Г	EST_HUMAN	1 EST_HUMAN (	П
Top Hit Acession No.	M37190.1	M37190.1	M37190.1	4507430 NT	4507430 NT	4l001948.1	41001948.1	7857286 NT	0.0E+00 AB030568.1	0.0E+00 BF366974.1	0.0E+00 BF366974.1				4757989 NT				0.0E+00 AF198490.1		1170.3	1170.3	1170.3	1170.3	7661685 NT	5803114 NT	0.0E+00 AA458680.1		82.1	23	4759240
Most Similar (Top) Hit BLAST E Value	0.0E+00 M37	0.0E+00 M37	0.0E+00 M37	0.0E+00	0.0E+00	0.0E+00 A100	0.0E+00 A100	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 X52207.1	0.0E+00 X52207.1	0.0E+00	0.0E+00 U83668.1	0.0E+00 U83668.1	0.0E+00 U83668.1	0.0E+00	0.0E+00 AF19	0.0E+00 AF11	0.0E+00 AF11	0.0E+00	0.0E+00 AF11	0.0E+00	0.0E+00	0.05+00		0.0E+00 N431	0.0E+00 N431	0.0E+00
Expression Signal	0.83	9.11	0.79	124	1.24	3.95	3.95	14.34	1.76	43.62	43.62	43.62	202	2.02	3.97	1.07	5.81	90.08	4	29.56	96'0	4.66	13	1.18	2.11	127	1.30	•	2.43	2.43	16.0
ORF SEQ ID NO:	27205	27206	27207	27208	60Z <i>L</i> Z	27216	27217	27219	27229	27236	27237	27238	27241	27242	27249	27257	27258	27258		-	27264	27284	27264	27286	27288	27272			27277	27278	27279
Exam SEQ ID NO:	14146	14147	14148	14149	14149	16027	16027	14168	14168	14177	14177	14177	14179	14179	14188	14189	14200	14200	14203	14203	14207	14207	14207	14208	14211	14216	14217		223	14220	14221
Probe SEQ ID NO:	873	974	975	976	978	984	984	986	<b>266</b>	1008	1006	1006	1008	1008	1017	1029	1030	1031	1034	1035	1039	1040	<del>1</del>	1042	1045	1049	1051		1064	1054	1055

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	Top Hit Descriptor	TPAE family member-associated NFKB activator (TANK) mRNA	Homo explicits IIV. Issuer F. 14108 (FI.11198), mRNA	Homo segriers hypothetical process to control (NESPAGE) mRNA	John Sapiers heat shock (Vito picteril ad Villament /CDH6) mRNA	Homo septens cacherin d. K-cachem (rede rwing) ( voc. c.)	Homo sapiens cadharth & K-cadharm (resa Mariey) (Marie)	Homo sapiens hypothetical protein FLLZD850 (FLLZD950), in the	Homo saplens hypothetical protein FLJ20696 (FLJ20695), mrvva	Homo saplens mRNA for alpha-tubulin 8 (TUBA8 gene)	Homo sepiens hypothetical protein rudowou (rudowow) in the	Homo sapiens alkylation repair, alkB homolog (Abrl.), mixwy	Homo sepiens Death associated protein 3 (LAP-3) minum	MR0-BN0116-200300-003-h08 BN0115 Homo Sapiens CLAVA	Hone sepiens potessium charnel, subfamily K, member 9 (KCNNS), mrvny	Homo sapiens potassium charmel, subfamily K, member V (N.J.N.W.), illnuv.	Homo sapiens protein kinase, X-linked (PRKX) mRNA	Homo sapiens protein kinasa, X-linked (PRKX) mRNA	Homo sablans ribosomal protein S27a (RPS27A) mRNA	Home can entrophedical protein FL20309 (FL20309), mRNA	Home seriens DNA for Human P2XM, complete cds	Line Septical Distriction POXAL complete cds	Unana continue similar to part intental mentangene discopratein POM121 (POM121L1), mRNA	Homo sepiens similar to rat integral membrane dycoprotein POM121 (POM121L1), mRNA	Homo saniers New38-binding protein Now8P (LOC51729), mRNA	Heaviers ART4 dens	U carione APTA gene	A-27440 A Science pregnant Literus NEHPU Homo sepiens cDNA clone IMAGE:1697011 3'	Unions conjunts mRNA for KIAA0903 protein, pertial cds	11 (CSPG2) mRNA	Home Separate Charles and the production 2 (Versicen) (CSPG2) mRNA	Homo saperis chandrall suitate fraces.	Homo sapiens dilitariate december 4889 (CAD1), transcript varient GAD25, mRNA	Homo septembly december decembers/1889 (CADI) (GADI), transcript variant GAD25, mRNA	Liven seations mRNA for KIAA1414 protein, pertial cds	Home saciens keratin 18 (KRT18) mRNA	
	Top Hit Databese Source					Z				N-	F	K	N.	EST HUMAN	Z	Į	LN LN		Į.	Į.		Z		2 1	Z	Z	į!	IN I	EST HUMAN	Z	¥	<u>K</u>	노	<u> </u>	IN I	Z	IN.
	Top Hit Acestion No.		4759249 NT	B922833 NT	4768569 NT	4826872 NT	4826672 NT	8923624 NT	8923624 NT	302.1	TN 78082388	6174384 NT	4758117 NT	5208.1	7706134	TYNAM34 NT	TN 7896947	200001	182084/NI	N 71 JONES	8923290 NI	B002059.1	ğ	7657468 NI	765/468 N	N 00090//	(95826.1	X95826.1	AH 47650.1	0.0E+00 AB020710.1	4758081 NT	4758081 NT	9988844 NT	7305076 NT	19/0002	0.0E+00 AB037835.1	450/88/ INI
	Most Similar (Top) Hit BLAST E	A COURT	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.0E+00	0 0F+00	00-100	0.0E+00 AJ24	0 DE+00	0.0E+00	00+400	OCETOO REDO	00+100	100	0.000	0.00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 ABOC	0.0E+00 ABO	0.0E+00	0.0E+00	0.0E+00	0.0E+00 X95	0.0E+00 X85		0.0E+00	0.0E+00	0.0E+00	0.0E+00				0.00
-	Expression Signal		26.0	3.27	1.51	151	18	27.7	27.6	13.57	80	286	700	1	1.01	1000	23.82	0.82	0.82	935	12	3,95	19.6	4.52	4.52	1.44	0.71	0.71		1.62	1.22	1.22	1.32	2.19			8.64
-	ORF SEQ ID NO:		27280		27295	27840	1	2/3/1	2/3/15	27310		272.74	70000							27375	27377	27380			27383	27386	27387	27388		5 27391			L	7 27415	7 27418		7 27428
	SEO ES		14221	14774	44788	44055	300	200		1450	$_{ m L}$	76277	1	_1	1	⅃		14319	14319	14320	L	L.	1_	14328	14328	14331	14332	14332	L	14335	L	1_	_	1	5 14357	1	5 14367
	Probe SEQ ID		1085	Ş	220	2/2/		9	ğ	\$ 5		)egi	3	138	128	1143	1143	135	1165	1156	1158	1161	1163	128	164	1168	+ 88	1169	1170	1172	1181	- <del>-</del>	1182	1185	1185	1198	1205

Pege 490 of 550
Table 4
Single Exon Probes Expressed in Placenta

		_	Т	Τ	Т	1	7	7	Т	7	7	7	٦			Π		Г	Γ	Γ			"		٦	٦				- 41		7740	1	7	P	Ð
	Top Hit Descriptor	Homo saplens muft. (E. cot) homolog 3 (MLH3), mRNA	Homo sapiens hypothetical protein FLJ10697 (FLJ10697), mYNA	Homo sepiens ALR-like protein mRNA, partial cds	Homo septens ALR-like protein mRNA, partial cds	Homo sardens Al R-like protein mRNA, partial ods	Homo seciens ALR-like protein mRNA, pertial cds	Home serviens chromosome 3 subtelomento region	Homo sepiens chandroitin suffate proteoglycan 4 (meterrome associated) (CSPG4), mRNA	Homo saniens prefoldin 4 (PFDN4) mRNA	Homo seciens NF2 cene	Homo seriens ribosomel protein \$2 (RPS2) mRNA	WBSCR9) mRNA, complete ods	Trumo services must be KIAA1507 protein, partial cds	House experience in which the MAA 1507 protein perfect cds	Train September Workers workers (WFS) mRNA	Trullo capacia W. Western and Charles M. West	Homo sapiens women syndrome (WFS) mRNA	Homo seguens would in a natural (vi o) in the control of the contr	Home septens protein protein action for the Parish of RTDR1) mRNA	Lower standard themer deterior region protein 1 (RTDR1), mRNA	Trains source RERSD cens for RING finds profein	During september that the part of RNP9), mRNA	Luma conians the finder trotein 173 (ZNF173) mRNA	Hums caniens RFR30 gene for RING finger protein	Lows carlens ring finger protein 9 (RNF9), mRNA	House carriers wing finder models 173 (ZNF173) mRNA	Hums contains mRNA for KIAA0577 brotein, complete cds	Train September 19 And The Company of the Company o	Homo sapara Nava 110 gene product (KIAA0170) meNA	Hallo septests Native Franchists hamded 3 (PERS), mRNA	House series pared (Dissorbile) handog 3 (PER3), mRNA	Le mon endonanus retroitus HERV-K10	Т	Т	٦.
NOIL LION	Top Hit Database Source		<u> </u>	1	17		2 5	2 15	2 5	<u> </u>				Į.	Z	Į.	ē	Ę,	Į.	Į,	LZ!	Į.	z !	Z !	Z	Z .	z!	2	Z.	Ę	Į.	Z.	z !	TOL	FOT LINKAN	ESI LIONAL
Single	Top Hit Accession No.	7857336 NT	8922593 NT	1750 1	1750.4	T		T	0.0E+00 AF109/18.1	OSCOCO A	#/cnet		2			0.0E+00 AB040940.1	5174748INI	5174748 NT	4748	0.0E+00 AF096156.1	7657529 NT	657520	0.0E+00 Y07829.2	5803140 NI	4508004 N	0.0E+00 Y07829.2	5803146INI	4508004 N	0.0E+00 AB011149.1	7881985 NT	7661965 N	806/38/ N	10 /96/998	M14123.1	0.0E+00 BE267955.1	BE257955.1
	Most Similar (Top) Hit BLAST E Vetue	001-00	10 d	O DE LOS AESA	0.05	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.0	0.0=+00	0.0E+00 Y180	0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	l		0.0E+00			L					0.0E+00 BE2
	Expression Signal	180	200	600	703	2.89	3.33	2.46	4.88	1.67	0.69	1.38	29.88	2.06	1.63	1.03	3.28	3.28	328	2.16	1.2	12	1.4	1.86			1.55	. 0.71		1.34	4.99					1.02
	ORF SEQ ID NO:	1	7,5,500	2/4/1	Z7475	27476	27477	27478	27503	27504	27510		27525	27534	8E91Z	27539	Z7552	27553			27566	77567	27573	27574			27577	27578	27680	27581		77583	77584	27597		3 27657
	Exen SEQ ID NO:	1000	14390	14 E	14413					14433		14451	14460	14466	14472		14485		<u>l</u>	J_	L.	16034	16991	14501	14502	14504	14505	14506	<u> </u>	14509	Ł	14511	14511	14522	14583	14583
	Probe SEQ ID NO:		1286	<u> </u>	1254	1254	1255	1256	1275	1276	1286	1295	1303	1310	1316	1316	1328	1328	1328	1320	1339	1330	1345	1346	1347	1349	1350	1351	1353	1354	1355	1356	1356	1368	1429	1429

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	Top Hit Descriptor	Homo sepiens mRNA for Familial Cylindromatosis cyld gene	RAN, member RAS oncogene femily-tomo sepiens RAN, member RAS oncogene family (RAN), mRNA	Homo sepiens proprotein convertase subtilisin/keath type 2 (PCSK2) mKNA	Homo sapiens proprotein convertase subtilisin/kedn type 2 (PCSK2) mRNA	Hamo sepiens KIAA1114 protein (KIAA1114), mRNA	Homo sepiens KIAA1114 protein (KIAA1114), mRNA	Homo sapiens partial AF-4 gene, excris 2 to 7 and Alu repeat elements	Homo sapiens alpha1-8fucosyluansferase (alpha1-6f-Uc1) gene, exxn /	Novel human gene on chromosome 20	Novel human gene mapping to champeome 1	Human mRNA for KIAA0240 gene, partial cds	Homo sapiens calcineum binding protein 1 (KIAA0330), mRNA	Homo sapiens KIAA0170 gene product (KIAA0170), micro	Homo sapiens KIAA0170 gene product (KIAA0170), mRNA	Hormo sanjens RFB30 dens for RING finger protein	Human von Willebrand factor pseudogene corresponding to exons 23 through 34	Human was Willebrand factor insertioners corresponding to exons 23 through 34	Human services HHDC for hamalog of Drosophila headcase (LOC51696), mRNA	PARAGET INCLUSION GCB1 Homo septens cDNA clone IMAGE:815116 5	Concomite antions excloonlin A mRNA, complete ods	Cerposithecus sethios cyclophian A mRNA, complete ods	FST388208 MAGE resequences, MAGN Homo septens cDNA	EST388206 MAGE resequences, MAGN Hamo sepiens cDNA	Rowine mRNA for naurocalcin	Homo serviens Bruton's turosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosome protein	(L44L) and FTP3 (FTP3) genes, complete ods	Homo sapiens transmembrans dycoprotein (GPNMB) mRNA	Homo septens transmembrane ghycoprotein (GPNMb) mixinA	Horno sepiens KIAA0957 protein (KIAA0957), mRNA	Homo septems TNF-Inducible protein OG12-1 (CG12-1), mRNA	Human transdutaminase mRNA, complete cds	Homo sepiens titin (TTN) mRNA	Home services (III (TIN) INSVA	
	Top Hit Database Source	N F			l <sub>z</sub>	LZ.	Į.	¥	L	Ę	¥	Z	E	NT	12	1	Į.	Ž.	Z	NAME TO PERSON	ESI DOMEN	ž į	FOT UIMAN	EST HIMAN		Ž	Ę	Į,	Į.	F		E L	IN I		
	Top Hit Acession No.	2014.1	6042208 NT	4505648INT	4505648 NT	TV055651NT	TN55565 NT	8093.1	Γ				3912457	TRRADESINT	TRRADESINT	001001	07829.2	#806/6.1	A60676.1	7706434 N	A4811/2.1	I-0223800.1	0.0E+00 Ard23800.1	0.0E+00 AW9/6097.1	0.0E+00 AWS/5057.1	740884.1	178027.1	4505404 NT	4505404 NT	TM 20405 NT	705507	TA 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.0E+00 MS84/8.1	1N 02/1004	4307720 INI
-	Most Similar (Top) Hit BLAST E Value	0.0E+00 A.1250	Q 100	20.00	20.0	200	3000	0.0E+00 AJ23	0 0E-00 AF038280 1	0.0E+00 At 132899.1	0 OF +00	0.0F±00 D87077.1	00=+00	00.30	0.00	0.0=+00	0.0E+00 Y07829.2	0.0E+00 MBO	0.0E+00 M60676.1	0.0E+00	0.0E+00 AA4	0.0E+00 AH	0.0=+00	0.0E+00.7	0.0=+00/	0.0E+00 D10884.1	0.05+00 1178027.1	00E+00	00.00	20.00	0.00	0.0=+00	0.05+00	0.0E+00	0.05+00
	Expression Signer	183		13.07	1000	30,0	28.	8 00	200	20.4	187	2 6	24.8		228	228	3.74	6,62	9.62	2.01	2.66	27.8	27.8	1.55		1.03	66	09 86							0.97
ļ	ORF SEQ ID NO:	77868		27680	27690	27691	2/694	CB9/Z		2//08	20112		2017			27736		27742	27743			27792				27798				2/802			9 27810		1 27812
	SEQ ID	44500	2	14602	14810	14610	14612	14612	CLOPI	14625	140	_	14648			14653		14660	١.	14693	14708	14715	14715		14717	14718		1		_1		14724		3 14731	14731
	Probe SEQ ID NO:	9,7,7	2	÷	1457	1457	1469	1450	<u>\$</u>	1471	1490	1481	465	1458	1500	1500	1501	1507	1507	1541	1555	1562	1562	1564	1564	1565		1567	138 138	1588	1570	1571	1578	157	1578

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military illi passo della caracteria.	Example 2   Control of Figure 2   Control of Figure 3   Control of	16042 32.23 0.0E+00 4506654 NT Homo sepiers ribosomal protein L5 (RPL5) mRNA	14732 27813 27.68 0.0E+00   M14199.1   NT   Human leminin receptor (245 epitope) mRNA, 6" and	14746 27828 1.43 0.0E+00 45077.20 NT Hamo septens titin (TTN) mRNA	1.43 0.0E+00 4507720 NT	14747 27830 13.85 0.0E+00 4503098 NT Homo septens chandroitin sulfate proteoglycen 4 (melanoma-associated) (CSPG4), mRNA	14756 3.25 0.0E+00   D00333.1   NT   htumen c-yes-2 gene	27844 11.38	2.55 0.0E+00 5921460 NT	0.0E+00 5921480 NT	14786 27847 11.09 0.0E+00 AV690831.1   EST_HUMAN   AV690831 GKC Homo saptens cDNA clame GKCBOF02 5	EST_HUMAN	2.1 0.0E+00 AB040905.1 NT	0.0E+00 AF167478.1 NT	6.83 0.0E+00 7882183 NT	27856 6.83 0.0E+00 7852183 NT	14774 27857 58.88 0.0E+00 6728878 NT Homo sapiens heat shock 70kD protein 10 (HSC71) (HSPA10), mRNA	14774 Z7858 , 56.88 0.0E+00 5729876 NT Homo sapiens heat shock 70kD protein 10 (HSC71) (HSPA10), mRNA	TN	14791 Z7876 6.29 0.0E+00 H26973.1  EST_HUMAN  yo76c05.s1 Soares adult brain NZb4HB65Y Homo sepilens cDNA clone IMAGE:183848 3"	27887 1.87 0.0E+00 AB046829.1 NT	27888 1.87 0.0E+00 AB046829.1  NT	1.68 0.0E+00]AW444637.1 EST_HUMAN	212 0.0E+00 BE144384.1   EST_HUMAN	14850 27937 2.12 0.0E+00 BE144364.1 EST_HUMAN MR0-HT0169-191199-004-b11 HT0168 Homo septems cDNA	14854 27941 1.3 0.0E+00 AI788104.1 EST HUMAN TR-062788 CR224HIS2 ZINC FINGER PROTEIN.:	27942 1.71 0.0E+00 4758513 NT	0.0E+00 AF057177.1 NT	2.1 0.0E+00 M29580.1 NT	14869 27948 2.1 0.0E+00 M29580.1 NT Human zino-finger protein 7 (ZFP7) mRNA, complete cds	4557887 NT	14862 27951 2.42 0.0E+00 7657065 NT Homo sapiers v-ets avien erythroblastosis virus E26 ornoogene related (ERG), mRNA	14865 27954 1.08 0.0E+00 BE222374.1 EST_HUMAN M/CP-1 LIKE PROTEIN TYROSINE PHOSPHATASE;
-		16042					4755				,															-							
	Probe ES SEQ ID SEC NO:		1580 1	1592	1592 1	1594							ı	1618						1639 1	1648 1				1698 1	1702		1704	1708 1	1708 1	1710	1711	1714 14

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					,		
Probe SEQ ID	SEQ ID	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
1	14865	27855	1.08	0.0E+00 BE22	2374.1	L HUMAN	hu11d05x1 NG_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:3166281 3' similar to TR:096147 095147 IMRP-1 LIKE PROTEIN TYROSINE PHOSPHATASE;
1 4	14966			0.0E+00	4557610		Homo sapiens gamme-aminobutyric acid (GABA) A receptor, gaminia 2 (CACACAZ) IIII CACACAZA (CACACAZAZAZAZAZAZAZAZAZAZAZAZAZAZAZAZAZ
2 2	1			<u>.                                    </u>	0.0E+00 H30132.1	T_HUMAN	yo59c08.r.1 Socres breast 3NbHBst Home septens culva radio invivol.; 1022.r.0 culpa de grande de gamma de grande de culpanti. Transpeptidase 5 PRECURSOR (HUMANA). GANIMA-CELUTAMYLTRANSPEPTIDASE 5 PRECURSOR (HUMANA).
1, 10	1						yo69e08.rf Sogres breast 3NbHBst Homo sepients culva done invace (0.2.7.0 cmms to general call transper pridate specific comments of the call transper pridate specific comments of the call transperses of the call transp
3 2	14871				880.1	T HUMAN	of 43709 x1 Sources testre NHT Homo septents curve count investigations.
3	14872	27963	10.28	0.0E+00	90.1	Z	H. sapiens H.26/n gene
12	14872		10.28	0.0E+00	Z80780.1	N.	H.sapiens H2B/In gene H.sapiens H2B/In gene H.sapiens H2B/In gene
Ē	L.	<u> </u>	21.3		5031748 NT	Į,	Hamo septembring group (nate issues of party) mental and the control of the contr
\$	L	27976	6.13	0.0E+00	8923841 NT	LN LN	AGIIO SADIEIS FOXALIGUEZA ISAMA (ECCONO.)
122	L		1.63	0.0E+00	5453855 NT	Į,	Homo sapiens pericentional make kan 1 (r own.) in co.
Ę	1		1.95			NT	Human hepatrocyte grown rectur gene, exten 19
1741	L		1.85	0.0E+00 M768	8	Į,	Human hepaboyas grown ractor gene, extern 13
174	L	L			4826973	F.	Homo sapiens run butaing illoui prossit, i discussioni prossi prossi prossi prossi prossi p
1747	14896	27990				Ę	Human instancy of the reason and the reason of the reason
1747	14896		2.54		80.1	<u> </u>	Fluman impainable of oral recent general for WASP-family protein, complete cds
1751	14900	27897			2542.1	Ę	TOTAL TOTAL CONTRACTOR SEE A SOUTH 1 of 8]
1753	1_				00.1	Ę	UK zera (numen, Cerkalikaning), 300 III, 300 III.
1762	14911	1 28005			4557538 NT		Hall begins suggested and remain to the complete cds
1784	14933		3.33		AF27384	z	United September (2010) (RPS2) mRNA
1828	16047	<u></u>	41.96			Z.	United Squares   Household   Page   P
1830	14978	8 28073	3 3.2	0.0E+00		Z	HORIO September In Asserting Processing From MRNA
1830	L		3.2		4557556 NT	Į,	Homo septens ETA binding procein poor (E. 2007) in the control of
\$	L				U63963.	보	Human CSF-1 recepco (FMS) gene, compress cus, and Com. / gene, perceptor (FMS) mRNA
184	L				4605332 NT	NT	Homo saptens nuclear autoeringenic speriii proteii (Teconic Chila done IMAGE:563056 3'
	ľ			7 0.0E+00 AA1	AA113030.1	EST HUMAN	ZIGCCOS.S1 Stranggene Heala cell so solizion milio sepreno con si como con si
3	L		1		0 0F+00 114987.1	토	Human ribosomai protein L21 mRNA, complete cds
8	L			1	A 0F+001 AR002331 1	Z	Human mRNA for KIAA0333 gene, partial cds
3	14550						HRNA (ATF4) mRNA
1863	14999	9 28103	3 24.89	9 0.0E+00	4502264 NT	E L	בונונות פקונות ביית המיום המיום המיום המיום המיום המיום המיום המיום המיום המיום המיום המיום המיום המיום המיום
1853	14990	28104	4 24.99	9 0.0E+00	4502284 NT	LN 1	Homo sepiens activating transcription factor 4 (tax-responsive crinancer element B67) (ATF4) mRNA
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	Top Hit Descriptor	Homo espiens activating transcription factor 4 (tax-responsive enhancer element B67) (ATF4) mRNA	Homo septens immunogoolin superrantily, member 3 (19513) mixtor, and translated products	Homo sapiens muminogrami superioring, inclined cycle cycles cycles consistent and programmed poli Lebrarah factor-1 (RPF-1) mRNA	Tono septems Neutral Johnson Doll Lifemain Septem (RPF-1), mRNA	Hand septems menu for KlaA1152 protein, partial cds	TAINS CAPACIO III COLO CALLO C	AOTIO SEPTEMBILITATA I OF PARMILI, PARM	Homo septens potessium voltage-gated channel, Shab-related subfamily, member 1 (KCNB1) mRNA	Homo sapiens potesstum voltage-gated channel, Shab-related subfamily, member 1 (KCNB1) mRNA	Human retinal degeneration slow (RUS) gene, excri 1	Human retinal degeneration stow (KLOS) gens, exact 1	ULH-BI1-din-407-0-U.ST NCI_COAP_State Trains septents CDNA clone IMAGE:2722333 3	ULH-BIT-BIT-BIT-BIT-BIT-BIT-BIT-BIT-BIT-BIT	6011/8164F1 NIT NO. 20 ILUIN CAPATE CON A PARE 18447E 3547739 5	604179164-1 NIH MGC ZU HOID SAMBIS CONTRACTION CONTRAC	KCZ-GNU I.ZO-ZWOSUG-Z IZ-ZG-Z ZAVO IZ-ZG-ZG-ZG-ZG-ZG-ZG-ZG-ZG-ZG-ZG-ZG-ZG-ZG	Hams contains miniman (NP220), mRNA	Home caning RAD1 (S. bambe) hamdog (RAD1) mRNA, and translated products	Home serience RAD1 (S. pembe) homotog (RAD1) mRNA, and translated products	Homo septems mRNA for KIAA1367 protein, partial ods	Homo saniens DNA notwinerase zeta catalytic suburit (REV3) mRNA, complete cds	Human transdutaminase mRNA, complete ods	Himen transdutaminase mRNA, complete cds	Home serviers transforming growth (actor, beta 3 (TGHB3), mRNA	I was considered from the factor beta 3 (TGFB3), mRNA	THOSE SECTIONS OF SECTION SECTIONS OF SECTION	Homo septems weren received a force, him and the control of the co	genes, complete dis	Human topotsomerase I pseudogene 1	Homo sapiens butyrophilin, subfamily 3, member A2 (B I N3A2), mirana	•
28.10	Top Hit Database Source	Ϋ́	¥	Ę	Ę	Į.	Z	\$	, IN	. TN	NT	NT	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	Į.	Z!	Z	Z	ž !	Z	£ 1	1 2	Ž.	IN.	NT S	<u>\</u>	¥	SINT	
	Top Hit Acession No.	4502264 NT	4504626 NT	4504626 NT	8005855 NT	2855	2978.1	B032978.1	4828783 NT	4826783 NT	U07147.1	J07147.1	0.0E+00 AW 207280.1	0.0E+00 AW 207280.1	3E277465.1	3E277485.1	0.0E+00 BE006292.1	7657390 NT	7657390 N1	4506384 N	4506384 N	0.0E+00 AB03/785.1	0.0E+00 AF1674/6.1	0.0E+00 M984/6.1	9	450/464 N	4507464 NT	7657038 NT	0 0E+00 AF240788 1	0.0E+00 M55632.1	TNISORINI	
}	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AB03;	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U07147.1	0.0E+00	0.0E+00	0.0E+00 BEZ7	0.0E+00 BE27	0.0E+00									1	0.0E+00	0.0E+00			ľ	1
	Expression Signal	24.80	3.11	3.11	7.19	7.19	1.84	1.84	3.59	3.50	7.35	7.35	23	23	3.22	3.22	1.04										3.10	2.41	08.8	5.28		40:
	ORF SEQ ID NO:	28405	28124	28125	28131	28132	28143	28144	28146	28147					28171		28187			-		28226				28238					١	28248
	SEQ ID	604	15015	15015	15025	15025	15038	1	15038	ļ	L	L	L.	L.			L	15115	15115	15118		15124		16051	16051	16133	15133	L	1		Į.	46622
	Probe SEQ ID NO:	i g	<u> </u>	1870	1881	1881	1892	1892	1895	1804	1805	1808	1800	1809	1004	1924	1943	1072	1972	1975	1975	1981	1985	1988	1986	199	8	198		88	5	2003

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	7	Т	Т	Т	Т	Т	т	Т	Т	Т	Т	Т	Т	т	7	т	Т	Т	T	T-	4-	T <sup>*</sup>	<b>1</b>	1	Ή-	ή-	1	4	÷	1	111	ш	<del>Г</del>
Top Hit Descriptor	bb73f11.y1 NIH MGC 12 Homo sapiens cDNA clone IMAGE:3048045 6	Homo sepiens histidine emmonie-lyese (HAL) mRNA	Homo saplens histidine ammonia-tysse (HAL) mRNA	Hama sepiens chramasome 21 segment HS210052	Homo capiens nebulin (NEB), mRNA	Homo sapiens nebulin (NEB), mRNA	Homo sapiens actinin, alpha 4 (ACTN4) mRNA	Homo sapiens actinin, alpha 4 (ACTN4) mRNA	Homo septiens mRNA for KIAA0790 protein, partial cds	Homo sapiens mRNA for KIAA0790 protein, partial cds	Human TFEB protein mRNA, pertial cds	Human TFEB protein mRNA, pertial cds	x188b01.x1 NCI_CGAP_Part1 Homo saplens cDNA clone IMAGE:2879913 3'	x609601.x1 NCL_CGAP_Part1 Homo sapiens cDNA clone IMAGE:2879913.3'	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo sepiens mRNA for KIAA0577 protein, complete cds	H.sepiens genes for semenogelin I and semenogelin II	H.saplans genes for semenogelin I and semenogelin II	Homo saplens mRNA for KIAA1513 protein, pertial cds	Homo sepiens SMCY (SMCV) gene, complete ods	Homo expiens SMCY (SMCY) gens, complete ods	Homo sapiens chromosome 21 open reading frame 7 (YG81), mRNA	Hamo septems TP53TG3a (TP53TG3a), mRNA	601573895F1 NIH_MGC_9 Homo septems cDNA clone IMAGE:3835198 5	601573895F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3835198 5"	Homo saplens coagulation factor IX (plasma thromboplestic component, Christmas disease, hemophilia B) (FB) mRNA	AU140831 PLACE4 Hamo sepiens cDNA dane PLACE4000821 5	Homo sapiens KIAA1114 protein (KIAA1114), mRNA	Homo sapiens KIAA1114 protein (KIAA1114), mRNA	7822E10 Chromosome 7 Febal Brain cDNA Library Homo sapiens cDNA clone 7B22E10	7822E10 Chromosome 7 Febal Brain cDNA Library Homo sapiens cDNA clone 7B22E10	Homo sapiens similar to rat integral membrane grycoprotein POM121 (POM121L1), mRNA
Top Hit Databasa Source	EST HUMAN	Ŋ	¥	¥	NT.	N.	¥	¥	FX	Z	NT	¥	EST_HUMAN	EST_HUMAN	Г	Ę	¥	ᅜ	NT	IN		F			EST_HUMAN			T HUMAN				T_HUMAN	
Top Hit Acession No.	0.0E+00 BE018068.1	4809282 NT	4809282 NT	832522	8400716 NT	8400716	4826638 NT		18333.1	18333.1	782.1	782.1	193024.1	193024.1	6912457	6912457 NT	11149.1	358.1	56.1	40946.1	73841.1	73841.1	8394546 NT	7708742 NT	43215.1	43215.1	4503648 NT	40831.1	T705585 NT	TN 55555 T		0.0E+00 AA077589.1	7857468 NT
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AL1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AB0	0.0E+00 AB0	0.0E+00 M33	0.0E+00 M33	0.0E+00 AW	0.0E+00 AW	0.0E+00	0.0E+00	0.0E+00 AB0	0.0E+00 Z478	0.0E+00 Z47E	0.0E+00 AB0	0.0E+00 AF2	0.0E+00 AF2	0.0E+00	0.0E+00	0.0E+00 BE7	0.0E+00 BE7	0.0E+00	0.0E+00 AU1	0.0E+00	0.0E+00	0.0E+00 AA07	0.0E+00	0.0E+00
Expression Signal	1.3	1.69	1.69	4.5	1.41	1.41	12.98	12.98	211	211	1.93	1.93	3.24	3.24	99.68	9768	1.63	1.09	1.09	504	1.85	1.85	1.63	0.98	35.36	35.36	1.02	67.63	28.0	76.0	2.59	2.59	3.79
ORF SEQ ID NO:	28250	28255	28256		28272	28273	28274	28275		28289	2828Z	28294	28282			86282	28300	28301	28302	28311	28837	28338	28368	28370	28374	28375	28376	28378	27694	27695	28380	28381	
Exan SEQ ID NO:	15145	15151	15151	15165	15167	L					15184	15184						15190	15190	15197	15218	15218	15247	15250	15255	15256	15257	15258	14612	14612	15260	15260	15262
Probe SEQ ID NO:	2005	2011	2011	2024	2026	2026	2027	2027	2037	2037	2043	2043	2045	2045	2046	2046	2048	2049	2049	2056	2078	2078	2109	2112	2117	2117	719	2121	2122	212	2124	2124	2128

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Evon NO: 15284         OPE SEQ Signal 29         Most Similar (Top) Hit Value         Most Similar (Top) Hit Value         Top Hit Acession ASS683           15284 15285         28384 28384         2.9         0.0E+00 0.0E+	_	
15284         1.48         0.0E+00         4585863           15285         2.9         0.0E+00         24239.1           15287         2.38         0.0E+00         24239.1           15272         28383         4.37         0.0E+00         BE377225.1           15274         28395         2.25         0.0E+00         BF315325.1           15274         28396         2.25         0.0E+00         BF315325.1           15280         28414         3.43         0.0E+00         BF315325.1           15280         28415         3.43         0.0E+00         BE371225.1           15280         28416         3.43         0.0E+00         BE371225.1           15280         28416         3.43         0.0E+00         BE371225.1           15281         3.41         0.0E+00         BE371225.1           1531         3.43         0.0E+00         BE70282.1           1532         28446         4.64         0.0E+00         BE70282.1           1532         28448         1.28         0.0E+00         AF240786.1           1532         28450         3.41         0.0E+00         AF240786.1           1532         28450         3.41	Top Hit Defebese Source	Top Hit Descriptor
15285         2884         2.9         0.0E+00         242389.1           15287         238         0.0E+00         AE74247.1           15272         28383         4.37         0.0E+00         BE877225.1           15274         28395         2.25         0.0E+00         BF315225.1           15274         28396         2.25         0.0E+00         BF315225.1           15280         28404         3.6         0.0E+00         BF315225.1           15280         28415         3.43         0.0E+00         BE897125.1           15280         28416         3.43         0.0E+00         BE97125.1           15281         38416         1.11         0.0E+00         BE70280.1           15282         28416         3.43         0.0E+00         BE70280.1           1531         3.41         0.0E+00         BE70280.1           1532         28446         4.64         0.0E+00         BF70280.1           1532         28446         4.64         0.0E+00         BF70280.1           1532         2845         3.41         0.0E+00         BF72750.1           1532         2845         3.41         0.0E+00         AF240780.1	4585863 NT	Hamo sapiens phosphodiesterase 6A, cGMP-specific, rad, alpha (PDE6A), mRNA
15267         2.38         0.0E+00         AIZ44247.1           15272         28393         4.37         0.0E+00         BE877225.1           15274         28395         2.25         0.0E+00         BF315325.1           15274         28396         2.25         0.0E+00         BF315325.1           15280         28404         3.6         0.0E+00         BF315325.1           15280         28415         3.43         0.0E+00         BE97125.1           15280         28416         1.11         0.0E+00         BE37125.1           15281         28416         3.43         0.0E+00         BE37125.1           15292         28416         1.11         0.0E+00         BE37125.1           1531         3.41         0.0E+00         BE37709.1           1532         28446         4.64         0.0E+00         BE77824.1           1532         28446         4.64         0.0E+00         BE77824.1           1532         2845         3.41         0.0E+00         BF7863.1           1532         2845         3.41         0.0E+00         BF7863.1           1532         2845         3.41         0.0E+00         AF240786.1	EST_HUMAN	HSC0IC021 normatizad Infant brain cDNA Homo sapiens cDNA clone c-0ic02
15272         28353         4.37         0.0E+00         BE877225.1           15274         28365         2.25         0.0E+00         BF318225.1           15280         28404         3.6         0.0E+00         BF318225.1           15280         28404         3.6         0.0E+00         BF318225.1           15280         28405         3.6         0.0E+00         BE697125.1           15280         28416         1.11         0.0E+00         LOG20.1           15284         28416         1.11         0.0E+00         LOG20.1           15284         28425         1.64         0.0E+00         A768489           1537         28446         1.16         0.0E+00         A768483.1           1532         28446         1.64         0.0E+00         A76823.1           1532         28446         1.29         0.0E+00         A7640786.1           1532         28450         3.41         0.0E+00         A7640786.1           1532         28450         3.41         0.0E+00         A764040.1           1532         28450         3.41         0.0E+00         A764040.1           1532         28450         0.0E+00         A77808.1	1 EST HUMAN	qv90708.xt NG_CGAP_Uz Homo sapiens dDNA done IMAGE:1888871 3' similar to contains Alu repetitive element;
15274         28365         2.25         0.0E+00         BF318325.1           16274         28366         2.25         0.0E+00         BF318325.1           15280         28404         3.6         0.0E+00         BF318325.1           15286         28405         3.6         0.0E+00         BE697125.1           15286         28416         1.11         0.0E+00         LOGE20.1           15286         28426         1.16         0.0E+00         A768489           1539         28446         1.16         0.0E+00         A768489           15321         28446         1.16         0.0E+00         A768489           15322         28446         1.28         0.0E+00         A768483.1           15323         28446         1.29         0.0E+00         A7640883.1           15324         28446         1.29         0.0E+00         A7640786.1           15325         28450         3.41         0.0E+00         A764040.1           15327         28450         8.48         0.0E+00         A1604640.1           15329         28518         1.28         0.0E+00         A1604640.1           15392         28518         1.28         0.0E+00 <td></td> <td>601485146F1 NIH_MGC_69 Homo septens cDNA clone IMAGE:3887747 5</td>		601485146F1 NIH_MGC_69 Homo septens cDNA clone IMAGE:3887747 5
16274         28366         2.26         0.0E+00         BF315325.1           15280         28404         3.6         0.0E+00         BE697125.1           15280         28405         3.6         0.0E+00         BE697125.1           15286         28415         3.43         0.0E+00         L00520.1           15289         28416         1.11         0.0E+00         A758499           15294         28420         1.18         0.0E+00         A75849           15317         3.17         0.0E+00         BE702756.1           15329         28446         1.28         0.0E+00         BE702786.1           15321         28447         1.5         0.0E+00         BE702786.1           15322         28448         1.28         0.0E+00         BE702786.1           15321         28450         3.41         0.0E+00         A752078.1           15322         28448         1.28         0.0E+00         A7640786.1           15323         28450         3.41         0.0E+00         A76440.1           15324         0.0E+00         A1604640.1         A773828.1           15325         28518         1.28         0.0E+00         A773828.1		601902604F1 NIH_MGC_19 Homo sepiens cDNA clone IMAGE:4135320 5'
15280         28404         3.6         0.0E+00 BE697125.1           15280         28405         3.6         0.0E+00 BE697125.1           15286         28415         3.43         0.0E+00 L00620.1           15289         28416         1.11         0.0E+00 L00620.1           15294         28420         1.16         0.0E+00 L00620.1           15294         28420         1.16         0.0E+00 L00620.1           15317         3.17         0.0E+00 L00620.1         4768499           15329         28446         1.19         0.0E+00 BE70284.1           15321         28446         1.64         0.0E+00 BE70284.1           15322         28446         1.69         0.0E+00 BE70282.1           15321         28450         3.41         0.0E+00 BE70282.1           15322         28450         3.41         0.0E+00 BE70282.1           15321         28450         3.41         0.0E+00 AF240786.1           15322         28450         3.41         0.0E+00 AF240786.1           15329         0.0E+00 AF240786.1         1.62         0.0E+00 AF240786.1           15320         28521         0.0E+00 AF240786.1         1.62           15392         28521         0.0E+00 AF2		601902604F1 NIH_MGC_19 Hamo sapiens cDNA clone IMAGE:4135320 5
15280         28405         3.6         0.0E+00         BE697125.1           15286         28414         3.43         0.0E+00         LOGE20.1           15289         28416         1.11         0.0E+00         LOGE20.1           15294         28420         1.16         0.0E+00         AJ507709.1           15294         28420         1.16         0.0E+00         AJ507709.1           15317         3.17         0.0E+00         BE500895.1           15318         3.17         0.0E+00         BE707884.1           15320         28446         4.64         0.0E+00         BE707884.1           15321         28446         4.64         0.0E+00         BE707884.1           15322         28448         1.28         0.0E+00         BE727862.1           15323         28450         3.41         0.0E+00         AF240786.1           15324         28450         3.41         0.0E+00         AF240786.1           15325         28450         3.41         0.0E+00         AF240786.1           15327         28450         1.08         0.0E+00         AF240786.1           15339         28518         1.28         0.0E+00         AF240786.1     <	:1 EST HUMAN	RC3-CT0413-270700-022-d10 CT0413 Hamo sepiens cDNA
15286         28414         3.43         0.0E+00 L00620.1           15286         28415         3.43         0.0E+00 L00620.1           15289         28416         1.11         0.0E+00 L00620.1           15294         28420         1.16         0.0E+00 L00620.1           15394         28420         1.19         0.0E+00 L00620.1           15317         3.17         0.0E+00 BE707864.1           15318         1.28         0.0E+00 BE707864.1           15320         28446         4.04         0.0E+00 BE70786.1           15321         28447         1.58         0.0E+00 BE70786.1           15322         28450         3.41         0.0E+00 BE70786.1           15323         28450         3.41         0.0E+00 BE70786.1           15324         1.28         0.0E+00 BE70786.1           15325         28450         3.41         0.0E+00 AV752708.1           15326         28450         3.41         0.0E+00 AV762708.1           15327         28453         8.48         0.0E+00 AV7866.1           15339         28521         0.0E+00 BE774686.1           15396         28522         23.12         0.0E+00 AV78828.1           15397         28622		RC3-CT0413-270700-022-d10 CT0413 Homo sepiens oDNA
15286         28415         3.43         0.0E+00 LOGE20.1           15294         28429         1.11         0.0E+00 AJ207709.1           15294         28429         1.16         0.0E+00 AJ207709.1           15298         28429         1.19         0.0E+00 BE500865.1           15317         3.17         0.0E+00 BE707864.1           15329         28446         4.64         0.0E+00 BE70786.1           15321         28446         1.28         0.0E+00 BE727862.1           15322         28448         1.28         0.0E+00 BE72786.1           15327         28450         3.41         0.0E+00 BE72786.1           15327         28452         8.48         0.0E+00 AP752708.1           15327         28452         8.48         0.0E+00 AP752708.1           15329         1.08         0.0E+00 AP752708.1           15329         28518         1.28         0.0E+00 AP752708.1           15390         28521         0.0E+00 AP78288.1           15396         28522         23.12         0.0E+00 AP78288.1           15397         28525         2.57         0.0E+00 AP78288.1	Ā	Human plasma membrane calcium ATPase isoform 2 (APT2B2) mRNA, confete cds
15289         28416         1.11         0.0E+00         AJ207709.1           15294         28429         1.16         0.0E+00         4768469           15298         28429         1.84         0.0E+00         BE500865.1           15317         3.17         0.0E+00         BE707864.1           15318         3.47         0.0E+00         BE707864.1           15320         28446         4.64         0.0E+00         BE707862.1           15321         28446         1.28         0.0E+00         BE727862.1           15322         28448         1.28         0.0E+00         BE727862.1           15327         28452         8.48         0.0E+00         AI904640.1           15327         28453         8.48         0.0E+00         AI904640.1           15329         28518         1.28         0.0E+00         AI904640.1           15329         28518         1.28         0.0E+00         AI904640.1           15394         28621         0.0E+00         AI904640.1         AI804640.1           15395         28622         23.12         0.0E+00         AI738288.1           15396         28622         23.12         0.0E+00         AI738288.1<		Human plasma membrane calcium ATPase isoform 2 (APT2B2) mRNA, comfete cds
15294         28420         1.16         0.0E+00         4768498           15298         28423         1.94         0.0E+00         BE500395.1           15317         3.17         0.0E+00         BE707864.1           15320         28446         4.64         0.0E+00         BF027562.1           15321         28447         1.5         0.0E+00         BF027562.1           15323         28448         1.28         0.0E+00         BF027562.1           15324         28450         3.41         0.0E+00         BF027562.1           15327         28450         3.41         0.0E+00         AF240786.1           15327         28452         6.48         0.0E+00         AI904640.1           15327         28453         6.48         0.0E+00         AI904640.1           15328         1.08         0.0E+00         AI904640.1           15329         28518         1.62         0.0E+00         BE274896.1           15394         28521         0.04+00         DB7885.1           15397         28522         23.12         0.0E+00         AV738288.1           15397         28525         2.57         0.0E+00         AV7382891.1	TN L	Homp sapiens mRNA for CDC2L6 protein kinase, (CDC2L6 gene), isoform 1
15286         28423         1.94         0.0E+00         BE500395.1           15317         3.17         0.0E+00         BE767864.1           15328         28446         4.64         0.0E+00         BF027562.1           15321         28447         1.5         0.0E+00         BF027562.1           15323         28448         4.64         0.0E+00         BF027562.1           15325         28450         3.41         0.0E+00         BF027562.1           15327         28450         3.41         0.0E+00         AF240786.1           15327         28452         6.48         0.0E+00         AI904640.1           15327         28453         6.48         0.0E+00         AI904640.1           15327         28453         6.48         0.0E+00         AI904640.1           15329         28562         1.08         0.0E+00         AI904640.1           15394         1.62         0.0E+00         BE274696.1           15395         28522         23.12         0.0E+00         AV738288.1           15397         28525         2.57         0.0E+00         AV738288.1	4768489 NT	Homo sepiens GTP binding probein 1 (GTPBP1) mRNA
152.0         264.0         1.04         0.0E-v0         BE730825.1           153.1         3.47         0.0E+v0         BE730825.1           153.20         28446         4.64         0.0E+v0         BF707562.1           153.21         28447         1.5         0.0E+v0         BF727562.1           153.22         28448         1.28         0.0E+v0         BF727562.1           153.27         28450         3.41         0.0E+v0         AF240786.1           153.27         28452         8.48         0.0E+v0         AF240786.1           153.27         28452         8.48         0.0E+v0         AF240780.1           153.27         28453         8.48         0.0E+v0         AF904640.1           153.29         28518         1.08         0.0E+v0         AF904640.1           153.29         28518         1.28         0.0E+v0         AF904640.1           153.29         28518         1.28         0.0E+v0         BF774686.1           153.29         28521         0.0E+v0         BF774686.1           153.20         28522         23.12         0.0E+v0         BF77828.1           153.27         20.6E+v0         AF378288.1         0.0E+v0		783402.X1 NCI_CGAP_GC8 Homo septens cDNA done IMAGE:3220610 3' similar to SW:DTD_HUMAN
15310         3.17         0.0E+00 BEF07804.1           15320         28446         4.64         0.0E+00 BE027562.1           15321         28446         4.64         0.0E+00 BE072824.1           15322         28448         1.28         0.0E+00 BE072824.1           15325         28450         3.41         0.0E+00 BE07282.1           15327         28452         3.41         0.0E+00 AV752708.1           15327         28452         8.48         0.0E+00 AI904640.1           15327         28453         8.48         0.0E+00 AI904640.1           15328         1.08         0.0E+00 AI904640.1           15352         28518         1.28         0.0E+00 AI904640.1           15392         28518         1.28         0.0E+00 BE774686.1           15394         28521         0.0E+00 BE774686.1         1.4787.1           15395         28522         23.12         0.0E+00 BY738288.1           15396         28522         257         0.0E+00 AV738288.1           15397         28525         2.57         0.0E+00 AV738288.1		OUR ONDER A TOWN OFF THE TOWN
153.20         28446         4.64         0.0E+00         BF027562.1           153.21         28447         1.5         0.0E+00         BF027562.1           153.22         28448         1.28         0.0E+00         BF027562.1           153.25         28450         3.41         0.0E+00         AF240786.1           153.27         28452         8.48         0.0E+00         AF904640.1           153.27         28453         8.48         0.0E+00         AF904640.1           153.27         28453         8.48         0.0E+00         AF904640.1           153.27         28518         1.08         0.0E+00         AF904640.1           153.29         28518         1.28         0.0E+00         L4787.1           153.92         28518         1.28         0.0E+00         BEZ74686.1           153.94         28521         0.0E+00         D87885.1           153.95         28522         257         0.0E+00         AV738288.1           153.97         28525         2.57         0.0E+00         AV738288.1	AT LEST ADMINIST	GV I-GNAVOCO-I-LOOVIC-SIG-CIO GNAVOO FIGURO SEPRETIS CLINA Homo contano X Jarkod Istanijo redinocabiliti materia // DS(1) sopo mem 8 and sometime de
15320         28446         4.64         0.0E+00         BF02786           15321         28448         1.5         0.0E+00         BE07282           15325         28448         1.29         0.0E+00         AF24078           15327         28450         3.41         0.0E+00         AF924078           15327         28452         6.48         0.0E+00         AF90484           15327         28452         6.48         0.0E+00         AF90484           15327         28453         6.48         0.0E+00         AF90484           15328         1.08         0.0E+00         AF90484           15392         28518         1.28         0.0E+00         BE27489           15394         28622         23.12         0.0E+00         AV73828           15395         28523         23.12         0.0E+00         AV73828           15397         28525         2.57         0.0E+00         AV73828		To the second of
15323         28447         1.5         0.0E+00 BE07262           15323         28448         1.29         0.0E+00 AF24078           15325         28450         3.41         0.0E+00 AF24078           15327         28452         6.48         0.0E+00 AF24078           15327         28453         6.48         0.0E+00 AF240484           15327         28453         6.48         0.0E+00 AF24078           15359         1.08         0.0E+00 AF2484           15392         28518         1.29         0.0E+00 BE27489           15394         28521         0.0E+00 DB7685.           15395         28523         23.12         0.0E+00 AF73828           15395         28525         23.12         0.0E+00 AF73828           15397         28525         2.57         0.0E+00 AF382168		601672068F1 NIH_MGC_20 Home septens cDNA clone IMAGE:3954785 5
15323         28448         1.29         0.0E+00         AF24078           15325         28450         3.41         0.0E+00         AW7527           15327         28452         6.48         0.0E+00         Al90484           15327         28453         6.48         0.0E+00         Al90484           15327         28453         6.48         0.0E+00         Al90484           15359         1.08         0.0E+00         L14787.1           15392         28518         1.29         0.0E+00         BE27489           15394         28521         0.0E+00         D87685.7           15395         28522         23.12         0.0E+00         AV73828           15396         28525         2.57         0.0E+00         AV73828	.1 EST_HUMAN	PMO-BT0547-210300-004-F04 BT0547 Homo sepiens cDNA
15325         26450         1.28         0.0E+00 AV7500           15327         28450         3.41         0.0E+00 AV7520           15327         28452         6.48         0.0E+00 AV7520           15327         28453         6.48         0.0E+00 AV7520           15327         28453         6.48         0.0E+00 AV7364           15352         1.08         0.0E+00 AV7367           15392         28518         1.26         0.0E+00 BEZ7496           15394         28622         23.12         0.0E+00 D876857           15395         28523         23.12         0.0E+00 AV73623           15397         28525         2.57         0.0E+00 AV363168		Homo septems glutafulone S-transferase theta 2 (GSTT2) and glutafulone S-transferase theta 1 (GSTT1)
153.25         26450         3.41         0.0E+00 AND AND AND AND AND AND AND AND AND AND		yets, without was
15327         28452         6.48         0.0E-400 Algo484           15327         28453         6.48         0.0E-400 Algo484           15359         1.08         0.0E+60         L14787.1           15392         28518         1.28         0.0E+60         BEZ7488           15394         28521         0.0E+00         D87685.7         B87685.7           15395         28522         23.12         0.0E+00         AV73828           15395         28525         2.57         0.0E+00         AV73828		ILS-C:10Z19-2Z11099-0ZZ-C:10 C:10Z19 Hamo sapiens cDNA
15327         28453         6.48         0.0E+00         Al80464C           15359         1.08         0.0E+00         L14787.1           15392         28518         1.28         0.0E+00         BEZ7469           15394         28521         0.94         0.0E+00         D87685.7           15395         28522         23.12         0.0E+00         AV73828           15395         28523         23.12         0.0E+00         AV73828           15397         28525         2.57         0.0E+00         AV73828		QV-B1065-020369-062 B1065 Hamo explens cDNA
16359         1.08         0.0E+00         L14787.1           15392         28518         1.28         0.0E+00         L14787.1           15394         28521         0.34         0.0E+00         D87685.7           15395         28522         23.12         0.0E+00         AV73828           15395         28523         23.12         0.0E+00         AV73828           15397         28525         2.57         0.0E+00         AV393169	1 EST_HUMAN	QV-BT065-020389-092 BT065 Hamo sapiens cDNA
15359         1,08         0.0E+00         L14787.1           15382         1,62         0.0E+00         L14787.1           15392         28518         1,28         0.0E+00         BEZ7468           15394         28521         0.94         0.0E+00         D87685.7           15395         28522         23.12         0.0E+00         AV73628           15395         28523         23.12         0.0E+00         AV73628           15397         28525         2.57         0.0E+00         AA93169		Homo sepiens potassium large conductance calclum-activated channel, subfamily M, beta member 3-like
16382         1.62         0.0E+00 L147           15392         28518         1.28         0.0E+00 BEZ           15394         28521         0.94         0.0E+00 D876           15395         28522         23.12         0.0E+00 AV76           15395         28523         23.12         0.0E+00 AV76           15397         28525         2.57         0.0E+00 AV76	7657252 NT	(KCNMB3L), mRNA
15392         28518         1.28         0.0E+00 BEZ           15394         28521         0.94         0.0E+00 D876           15395         28522         23.12         0.0E+00 AV7           15395         28523         23.12         0.0E+00 AV7           15397         28525         2.57         0.0E+00 AVX	NT	Human DNA-binding protein mRNA, 3'end
15394         28621         0.94           16395         28622         23.12           15395         28523         23.12           15397         28525         2.57	EST_HUMAN	601122338F1 NIH_MGC_20 Hamo septens cDNA dane IMAGE:3346888 5
16396         28622         23.12           15395         28523         23.12           15397         28525         2.57	N	Human mRNA for KIAA0244 gene, partial ods
15395 28523 23.12 15397 28525 2.57	EST_HUMAN	AV738288 CB Hamo sapiens cDNA clone CBNBDE08 5
15397 28525 2.57	EST_HUMAN	AV738288 CB Hamo saplens cDNA clone CBNBDE08 5
	EST_HUMAN	oc32e01.s1 NCI_CGAP_Lu5 Homo septiens cDNA clone IMAGE:1567896 3'
2288 15401 28529 24.38 0.0E+00 BF344434.1	EST_HUMAN	602014829F1 NCI_CGAP_Bm64 Hamo sepiens cDNA clone IMAGE:4150734 5
15402 28530 40.14	EST HUMAN	801572186T1 NIH_MGC_65 Homo septens aDNA done IMAGE:3839012 3*

Page 497 of 550 Table 4 Single Exon Probes Expressed in Placenta

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	Top Hit Descriptor	The second and Talvest Home contant CDMA	CM1-TN0141-250800-458-508 I NOT41 India Sapiens CDNA	CM1-1N0141-200800-43E-D00 1TO 1+1 Truin 2014-1-1-1 1MACE: 4120822 5	601900261F1 NIH MGC_19 Homo septems CLINA GGTB INVACE-11-00-5-11-00-5-11-00-5-17-00-5-	bos4e02.71 NIH_MGC_10 Homo sepiens cDNA done INAGE:304e082 5 Similar to InAGE:3170 C. 10170 C	KANSCKIP ION TAU ON CATACLES I LOS CONTROL ON A CAMA IMAGE: 486540 3' straiger to	2453-07.s1 Soeres pregnant userus nontro natio septem Caron caron in page 2007.s1 Soeres pregnant userus nontro national september (HUMAN); gb.X663857_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMP076 (HUMAN);	263c07.s1 Soares_pregnant_uterus_NbHPU Homo septiens cDNA ctone IMACET-48co40 s similar to	gbx85857_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMPUTE (HUMMY).	Homo sapiens critomosame 21 segment 102.1000	Hamb Saptans and investment to against the same of the saptans and the same of	Home capiens KIAA0952 protein (NAA0952), fill N.M.	Homo sepiens KIAA0862 protein (KIAA0862), mikhya	Human beta-prime-adaptin (BAM22) gene, exch 16	Z12b10_r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:712891 5	Homo serviens E1A binding protein p300 (EP300) mRNA	Homo seciens KIAA0852 protein (KIAA0852), mRNA	FOR A STATE OF THE WAY OF THE PROPERTY OF THE	Service Sheet NH Micc. 70 Home serviers CDNA clone IMAGE:3897457 5	WOUNDERSON THE TANK TO HOME COUNTY COUNTY OF THE PROPERTY OF T	0014836001 Initi_mcc	Train Septembrilly was seed in FDCP (mouse homolog) 6 (DEF6), mRNA	Home sequence differentially enviseed in EDCP (mouse homotog) 8 (DEF8), mRNA	Traine sequents with decision of the sequent TNPLS ST Home sequents CDNA clone IMAGE:1674828 3'	TREAT A COURSE WHAT REMIS NICHES DW Homo sapiens CONA clone IMAGE: 759740 5	27/0811.11 School Enter International State of S	ZV/021111 COAD Brief Homo series cDNA dore IMAGE:4157339 5	SUZUZIONO I NG. COM. COM. COM. COM. COM. COM. COM. COM	Home sagges mixed for News to process, persons and second	Hamo sapisms minute for the process of FA/CR3 mRNA	HOMO Septembrian Containing in Constant Control (NA CE 3295370 3' similar to TR: 094939 094939	KIAA0857 PROTEIN;	Homo sapiens phosphorylase kinase alpha subunit (PHKA2) gene, excn 32	1657-083/1 NCI CGAP_Ut2 Hano septens aDNA alone IMAGE:2283182.3°	
,  -	Top Hit Database Source		٦	EST_HUMAN	EST HUMAN		EST HUMAN	EST HUMAN	Ė	EST_HUMAN	¥	Į.	Į,	¥	1	EST HUMAN	Ŀ	2 12	Z	EST_HUMAIN	ESI_HUMAN	EST_HUMAN	Z.	Z	IN .	ESI HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	¥	₽.	INT	FST HUMAN	LV.	EST LI MAN	, a mai - 1 aa
	Top Hit Acession No.		7897.1	7897.1	617.1		8750.1	A042813.1				0.0E+00 AL163204.2	7662401 NT	7662401 NT	19	0.0E+00 0.3029.1	4557550	1 N 000 / 004	1 N L04709/	BE895281.1	BE905563.1	0.0E+00 BE905563.1	Ē	11545748 NT	11545748 NT	AI076404.1	AA429001.1	AA429001.1	BF347039.1	0.0E+00 AB020717.1	0.0E+00 AB020717.1	6325466 NT	o of 100 BERTROS 1	DEGIOSS.	0.0E+00 AF0445/1.1	0.0E+00 A 0233421
	<u> </u>	Value	0.0E+00 BF37	0.0E+00 BF37	0.0E+00 BF313		0.0E+00 BE01	O OF +OO AAOA	200	0.0E+00	0.0E+00	0.0E+00	0.0E+00	005-00	CSC1.00.1969	0.00	0.0	0.0=+00	0.0E+00	0.0E+00 BE89	0.0E+00 BE90	0.0E+00			ı							0.0E+00				
-	Expression Signal		5.56	5.56	4 08		3.13	8	00.	1.08	3,06	3.06	3.72	67.8	100	\$ S	1.02	7.92	263	3.44	1.51	1.51					2.95					234				2.6
-	ORF SEQ ID NO:		28533	28534	00000	80007	28542	1	##C82	28545		28554							28584	28592	28596		28509	28632	28633	28634	28636			28645						28656
	Econ SEQ ID	ÿ	15405	ı	1	1.	15411	1_	15413	15413	1		1						15452	1		<u> </u>	1	l	l	15507	١.	١.	L	┸	L	L	1			7 15528
	Probe SEQ ID	ÿ	2772		777	2276	2270		ig ig ig ig ig ig ig ig ig ig ig ig ig i	2284	2,88	2280		3	2200	2285	2296	2313	222	2327	2331	2334	2388	2375	2375	2376	2378	2378	2380	i i	2285	2388		2393	2396	2397

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	Top Hit Descriptor	Homo sepiers gene for AF-6, complete cds	Homo sariens KIAA0952 protein (KIAA0952), mRNA	Manual Mila Arosso profesor (KIAA 0952), mRNA	Harris square snorth entities 2 (\$SFA2), mRNA	CALL Square specific entition 2 (SSFA2), mRNA	HOTO SECRETS SPECIFICATION CONTROL AND A (SIRP-BETA-1) mRNA	Homo septens signial regulatory process; your Committee of the NT2RP3002064 5	AUTS1142 N1 200 5 TRINS expense constructions IMAGE:3841003 5	Homo seriens KIAA0244 protein (KIAA0244), mRNA	Homo surjents hences 8-phospipale dehydrogeness (glucose 1-dehydrogenese) (HSPD), mRNA	Home carlons herros-8-choschate dehydrogenese (glucose 1-dehydrogenese) (H6PD), mRNA	1. Common DAFO notworning 43 (CYP3A43) gene, partial cds; cytochrome P450 polypeptide	4 (CYP3A4) and cylochroma P450 polypeptide 7 (CYP3A7) genes, complete cds; and cylochroma P450	polypepide 6 (CYP3A5) gene, partial cds	AUTIBORZ HEMBAT Home servers CONA dans HEMBA1002839 5	AUTHOUS TENDON I HOUS STANDED ON A COMP HENRA 1002839 5	AUTHBUCZ FIEMBALI HUIED BACKETS CON CONTROL SEDIENS CONA	AIT 19582 HEMBA1 Homo septems CONA clone HEMBA1006155 6	Anno A Some NHHMPu S1 Homo sapiens CDNA done IMAGE: 1680883 3' similar to TR: 008962	O00002 230/DAP PLOSPHATIDYLINOSITOL 4/KINASE :	From Septens Light MCC 72 Horns septens CDNA clone IMAGE:3918168 6	A PROFESS Hele a CINA (T. Norma) Homo saplens cDNA similar to adenylate kinase Isocyme 2	Homo serviens of thermatia recessfor, tonodropic, N-methyl D-aspartate 2A (GRIN2A) mRNA	Humo ganians cene for cholecystokinin type A receptor, complete cols	Homo earlane nere for cholecystologin type-A receptor, complete cds	Lows earliest transported that tanscript to variant 4 (ILT1c) gene, excn 6	AND SAME IN COME BOARD HOUR SECIETS CONA clone IMAGE: 4153670 5	Homo seniers collagen, type XII, alpha 1 (COL12A1), mRNA	Human G matein coupled receptor (GPR1) gans, complete ads	Harman G modelin-counted receptor (GPR1) gene, complete cds	ISP2184558T1 NIH MGC 42 Homo saplens cDNA clone IMAGE:4300383 3'	hapahod.x1 NCI_CGAP_Kid12 Homo sapiens cDNA clone INAGE:2872759 3'	
	Top Hit Database Source	١	į	<u> </u>	Z	2	¥	¥	EST HUMAN	ESI TUMAN		Į.	Z		NT	EST HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	ESI HOMAN	EST HUMAN	L.	EST HOMEN	TOWN TOWN	I N	2	Z!	IN	EST HUMAN	Z	Z	NAL TOO	EST HIMAN	
,	Top Hit Acession No.	, ,	AB011368.1	IN L04799/	7662401 NT	5803178 NI	5803178 NT	5174678 NT	0.0E+00 AU131142.1	0.0E+00 BE794028.1 ES	1000/	476849/ N	470649/ NI		VF280107.1	10118082.1		\U118082.1	3E814424.1	4U119582.1	0.0E+00 AI042036.1	8923620 NT	0.0E+00 BE895605.1		5006002 N	0.0E+00 D85606.1	D85606.1		<u>ş</u>	IN 111 BZ26	0.0E+00 U13668.1	0.0E+00 U13888.1	0.0E+00 BF569144.1	AW 4000cc. 1
	Most Similar (Top) Hit BLAST E Value		0.0E+00 A	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 A	0.0E+00 B	0.0	0.0E+00	0.0E+00		0.0E+00 AF28	0.0E+00 AU1	0.0E+00 AU1	0.0E+00 AU11	0.0E+00 BE8	0.0E+00 AU11	0.0E+00													0.0E+00 AW
	Expression Signal		1.5	222	222	3.83	3.83	3.04	3.56	9.82	3.88	1.39	1.39		7.14	10.61	10.61	10.61	1.03	1.14	4.63		1.35	222			1.89						7	4.18
	ORF SEQ ID NO:		28657	28659	28560	28963	28684	28679	28683		28684	28685	28686			28888				28735		28737				28756	3 28757		38773	5 28780	3 28786			28796
	SEQ ID		16530	15533	15533	١	1	15553	1	15557	15538	15559	15559		15560	1_	1		L	15812	15614	١.	15619	15630	1 <sub>-</sub> 1	15636	15636	ľ	L	<u> </u>	L	\!	<u> </u>	15672
	SEO SEO SEO SEO SEO SEO SEO SEO SEO SEO		2369	2402	2402	2405	2405	2424	2428	2429	2430	2431	2431		2432	2434	2434	2434	2452	2485	2487	2489	2492	2503	25052	2510	86	833	2524	2530	2638	2538	2539	<b>18</b>

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	Top Hit Descriptor	UI-HE-BP0p-eis-0-07-0-UI-ri NIH_MGC_61 Homo sapiens cDNA clone IMAGE:3072780 5	RC3-ST0197-300300-016-004-ST0197 Hamp Septents CLIVA	601592530F1 NIH_MGC_7 Hano sepiens cONA clone IMAGE:3940310 3	Homo sapiens death receptor 6 (DR6), mRNA	ULH-BIA 602-5-08-0-UI.ST NCI_CGAP_Sub8 Hamo sapiens cuna ciare image: 34000000 3	Homo sepiens mRNA for membrane transport protein (XK gene)	Home sapiens platelet-derived growth factor receptor-like (PD/GFRL) mixthy	601503356F1 NIH_MGC_70 Homo septiens cDNA clone IMAGE 3905148 5	Homo sapiens similar to rea imegra merita ane giyoopi ucan i con	Human Secto (Sectos) mitina, compress cas	601508Z71F1 NIH MGC / I nome saprais con victorial mace 3801371 5	601469Z41F1 NIP MGC OF Hullio September CONA Clara IMAGE 3891371 5	601489241F1 NIT MAC OF THIS SELECT CHEST IN COLUMN TO THE	Hamo sapiens station mirvin, contributed to the living living 1946-1945/161 5	OUTUDA/SOFT NIT MOVE TO HOUR OF SOFT OF SOFT SOFT SOFT SOFT SOFT SOF	AU1432// 7/BAA1 Home septems CONA close Y78AA1001673 5	AU1432// 118AN I TAIN SEPTING CON CONTROL INAGE:2987955 5	601103312F1 NIFT MICE TO HAMP SEATERS CON CHARGE: 2887955 6	60110001271 NIT MACC_13 I WIND september Solve MAGE: 3' striller to TR: C00246 C00246	HYPOTHETICAL 9.3 KD FROTEIN;	Homo septems adjican minuta, waliping was	Homo septens micha I dr. MAA 14 to protest, parum was	Train Septembility of All All COAP Sub7 Homo septems cDNA clone IMAGE:3070631 3	CHEBY I SUIT NO. 17 Home series CDNA clone IMAGE:41114115	60 16050/3F 1 Nill Mich 17 Homo serviens CDNA clone IMAGE:4111411 5	U IGOSO/ ST 1 NIII _ MOC 1 FEBRUARIN DETTE GGS	Horizo Septento III University In the Market II I Carlo (TAF2I)	Homo septems I A I A but believing protein (1 - 7)	Homo saplens mRNA for KIAA1438 protein, parties cos	16015907108F1 NIH MIGG. / Hamp Sapkars CONA CIMA IMAGE:3944304 5	601590108FT NIH MICC. / ROLLO SAPIREDS CANA CARD INTOCATOR STATES AND AND AND AND AND AND AND AND AND AND	SOUTH AND THE PROPERTY OF THE
מוווים ביינות בי	Top Hit Database Source	EST HUMAN	EST HUMAN	EST HUMAN		T HUMAN	Γ		T_HUMAN	NT		7	EST HUMAN	EST_HUMAN	N	EST HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	¥	¥	LN	EST HUMAN	EST HUMAN	EST HUMAIN	Z	TN C	MT	EST_HUMAN	EST_HUMAN	EST HUMAN
2	Top Hit Acession No.	0.0E+00 AW501010.1	0.0E+00 AW813853.1	0.0E+00 BE7955421	7657038 NT	0 0F+00 BF509482.1	732684.2	5453871 NT	8	7657468 NT	8	3E886490.1	BE875511.1	BE875511.1	AF245505.1	BE538921.1	AU143277.1	0.0E+00 AU143277.1	0.0E+00 BE282896.1	0.0E+00 BE282898.1	0.0E+00 BF223041.1	0.0E+00 AF245505.1	0.0E+00 AB037836.1	0.0E+00 AB037836.1	0.0E+00 BF513835.1	0.0E+00 BF204131.1	0.0E+00 BF204131.1	0.0E+00 AB037742.1	5032150 NT	Q.0E+00 AB037859.1	BE795445.1	0.0E+00 BE795445.1	BE792472.1
-     	Most Similar (Top) Hit BLAST E Velue	0.0E+00	0.0E+00/	00+400	0.0E+00	00-100	0 NF+00 732684.2	00-100	0.0E+00 BE9	0.0E+00	0.0E+00 UBS	0.0E+00 BEB	0.0E+00 BE8	0.0E+00 BEB	0.0E+00 AF2	0.0E+00 BES	0.0E+00 AU1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00						0.0E+00				
	Expression Signal	3.03	. 202	1 28	112	47.7	200	5 17	1.07	2.39	3.09	1.66	13.07	13.07	1.12	1.83	3.66	3.66	125	125	<u>5</u>	8.3	2.18	218	235	326	32.6		2.52			1,16	2.75
	ORF SEQ ID NO:	28708		7000	47007	1000	2007	17007	28830	28831	28832	28838	28842	28843				28861		28863	28864		L			28912		28915					H
	SEQ ID	4ER7E	2 2				- 1	-	CKTA	١	1	L	1	15722	<u>.                                    </u>	L	L.		L	1_	15748	1	1	1	1	1	l	ı	l	ľ	1	I	15810
	Probe SEQ ID NO:	7350		C)C)	20/62	2/62	200		282	2588	2580	2692	2508	2598	2599	2616	2623	2823	2624	2624	3625	2628	3864	2684	882	2875	2676	2678	1 8	2884		88	2690

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Top Hit Descriptor	Homo seniens IMP (nosine monophosphate) dehydrogenase 1 (IMPDH1) mRNA	Homo serviens Bruton's tyrostne kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein	(1.44.) and FTP3 (FTP3) genes, complete cds	HOMO SEPRETS gives by Assessment in the Property of the Assessment in the Assessment	Homo septems minuted for his national process of the NT2RP4001964 5	AUT33350 N LAN 4 Tutil September 2015 Community September 2015 September 2015 Community Septembe	AUTSURUS NIZAC S HOMO seniers CDNA clone NTZ8P3000779 5	AUTOMAS AND ALL ACT OTTORIS Hamo sapiens cDNA	ROT-OT WOOD TO THE MICE 19 Home septems CDNA clone IMAGE:3628923 5	AN 1272778F1 NIH MGC 39 Hamo septems cDNA clone IMAGE:3610287 5	Constructions making for KIAA1311 protein, partial cds	Trains agrees in configure (materdages to liver in mouse)    Homo septens cDNA 5' and similar to ribosomal	protein L29	Human beta-prime-adaptin (BAM22) gene, exon b	Home sapters skeletal muscab LIM-procent ( ( 111.1) years, contract	Homo sapiens hG28K mRNA for GTP-thinding protein like 1, complete cas	ROTE01991F1 NIH MGC 7 Homo septens cDNA done IMAGE: 3440ses o	RM335485F1 NIH MGC 39 Home septens dDNA done IMAGE:3689564 5	AV724647 HTB Home septems cDNA clone HTBBYE09 5	Lymn content stramathoraresis associated PD1 (KIAA0757) mRNA	Home saniens spermatogenesis essociated PD1 (KIAA0757) mRNA	Home saviens invariansion-related calctum-regulated gene mRNA, complete cds	AV651086 GLC Homo seplens dDNA clone GLCCLD07 3"	CMA.TN0141-250800-439-b08 TN0141 Homo sepiens cDNA	CM4-TN0141-260600-439-b08 TN0141 Homo saplens cDNA	Jones carachellar decens attorn related protein (3440) (CDR1) mRNA	House control control of the control	Franco September 2017 MGC 9 Home septems cDNA clone IMAGE:3929472 5		A45773 leich protein, long form - fruit ffy;	RC4-HT0587-170300-012-d11 HT0587 Homo sapiens cunna	Hamo sepiens chramosome 21 segment HS210001	т	1
Top Hit Dattabase Source			Į.	Ę	Į,	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	ES! HUMAN	EST HOMAIN	Z	EST_HUMAN	IN	Ł	IN	COT LI IMAN	COT LI MAN	EST TOWNS	ESI HUMAN	z	ž į	CCT HIMAN	NAME TO T	NAME TO TOTAL	בייים בייים	į.	INI TOTAL	EST_HOMEN	EST HUMAN	EST HUMAN	I.V	EST HUMAN	
Top Hit Acession No.	000	4904090 N	<u>-</u>	27.1			0.0E+00 AU130403.1		015.1	66.1	<b>33.</b>	732.1	0 0F+00 AA316723.1	0.0E+00 U36253.1	0 0F+00 AF110763.1	0.0E+00 AR051828 1		0.0E+00 BE/963/6.1	0.0E+00 BE563433.1	ᇗ	5174486 N	3174480 IVI	AF280195.1	Aveatuge.1	BF377697.1	81	4757963 NI	4757963 NT	BE747193.1	0.0F+00 N44974.1	RE1768361	0.05-00 DL 1 48204 2	ALIOSOU.2 RE514110.1	0 214112.1
Most Similar (Top) Hit BLAST E		0.0E+00	0.0E+00 U780Z7	0.0E+00 AF1732	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00 AW887	0.0E+00 BE383	0.0E+00 BE531	0.0E+00 AB037	00110	00-400	O OF TOO	200	0.00	0.0E+00	0.0E+00	۱									0.0E+00 BE74					1
Expression Signal		252	4.16	5.67	1.07	96.0	1.16	1.16	1.66	4.83	2.8	1	4 90	AG 4	1	3.12	707	11.38	17.3	328				47.74	584		1.15	1.15	21.96	106				3.18
ORF SEQ ID NO:		28935		28942	28943	28946	28949	28950	28953			28987		2004					29024		72062		28029			29031			7 28039	L		23042		2 28062
Exer SEQ ID NO:		15819	15828	15829	15833	15836	15839	15839	15842	15845	15846	15878	l				15908	16912	16072	L	15017	15917	15918	15919	15920	15920	15924	L	15927		_ L			15942
Probe SEQ ID		27.00	27.40	27.4	27.45	27.18	222	272	2724	2727	2728	2763		2785	2765	2791	2792	2797	2800	2801	2863	2803	2804	2805	2808	2808	2840	2810	2813		<b>1 2 3 3 4</b>	2816	2827	2828

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				Δ		,
Probe Exam SEQ ID SEQ ID	ORF SEQ D ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
			Vatue			VNGm (VGGSJ) (Popularous suscepture) 7
2835 15	15949	1.67	0.0E+00	4503098 NT		Homo sepiens chondroun surface procedulyan 4 (meanum resourance) (Car Cr), makes
1_	15956 28062	1.08	0.0E+00	7705275 NT		Homo saplens angiopoletin-3 (ANG-3), mKNA
<u>l</u>	15955 29063	1.08	0.0E+00	7706276 NT		Homo sepiens angiopoletin-3 (ANG-3), mRNA
1_				0.0E+00 BF677694.1	T_HUMAN	602085579F1 NIH_MGC_83 Homo sapiens cDNA clone IMACE: 4Z46915 3
L		1.33	0.0E+00	TAZ2512		Homo explene protein tyrosine phosphatase, receptor type, I (PTPKT), michal
				25534.1	EST_HUMAN	AV725534 HTC Hamo septems dDNA done HTCCCA03 5
L			0.0E+00 AV7	25534.1	EST_HUMAN	AV725534 HTC Hamo septiens cDNA clone HTCCCAR3 6
<u> </u>				19163.1		au 55d04,y1 Schneider fetal brain 00004 Homo saplens cDNA cone IMAGE 2518033 5 similar to SW 7813A_HUMAN P40428 60S RIBOSOMAL PROTEIN L13A .
L	15971 29081	1 2.14		0.0E+00 BF530681.1	EST HUMAN	602071957F1 NCI_CGAP_Bm67 Homo sapiens dJiNA cicne IMACE: 4214078 3
1_	L	71.97		0.0E+00 BE872768.1		601450612F1 NIH_MGC_65 Homo sepiens cDNA clone IMAGE:3834642 3
2860				0.0E+00 AU131494.1	EST_HUMAN	AU131494 NT2RP3 Hamo sepiens aDNA clone NT2423002672 5
			l		HUMAN	ALI131494 NT2RP3 Hamo sepiens cDNA clone NT2RP3002672 5
2861 15				0.0E+00 BE300344.1	EST_HUMAN	600944794F1 NIH_MGC_17 Homo septems cDNA clone IMAGE:2980808 5
L	l				EST_HUMAN	600944794F1 NIH MGC 17 Homo sapiens CDNA clone IMAGE: 2900800 5
<u> </u>					Ę	glycoprotein D=Duffy group anigen (human, blood, cenomic Druk, 3000 m.)
L	15982	1.64			M	Homo saplens BTRCP2 mrNA for 1-box and WL-repeats protein is compress cus
	13933 26978	1.89		0.0E+00 AF264750.1	Ä	Homo saplens ALR-like protein mRNA, partial cds
				0.0E+00 AF264750.1	NT	Homo saplens ALR-like protein mRNA, partial cds
<u> </u>			Ì	FN	F	Homo sapiens cytochrome P450, subfamily I (dioxin-Inducible), potypeptide 1 (gleucoma 3, primary infamilie) //cyto-1841 mRNA
2880	14230 27287	7.04 Z.04	O.O.			Lance content and strange   (direct-inducible) polyceptide   (deucons 3 primary Intentile)
2880	14230 27288	204	0.0E+00	4503202 NT	F	(CYPIBI) mRNA
	ŀ			0.0E+00 X85980.1	NT	H.sapiens serine hydroxymethyfransferase pseudogene
<u>L</u>			ļ	0.0E+00 AF068624.1	M	Homo sapiens 5-eminotevulinate synthese 2 (ALAS2) gene, complete cds
1	16079	1.91		AB040960.1	NT	Homo sapiens mRNA for KIAA1527 protein, pertial cds
2007	16085 29099			0.0E+00 AL163201.2	NT	Homo sapiens chromosome 21 segment HS21C001
1				0.0E+00 MB0802.1	NT	Human AHNAK nuckoprotein mRNA, 5' end
1_	16092 29104	0.03	L	BE154504.1	EST_HUMAN	PMo-HT0343-281286-003-e02 HT0343 Homo sepiens cDNA
1_		5 0.93		BE154504.1	EST_HUMAN	PMO-HT0343-281226-003-602 HT0343 Homo saplens cDNA
L		2.05	0.0E+00 X73	X73428.1	NT	H. sapiens Id3 gene for HLH type transcription factor
1_	16096	2.6	0.0E+00 AL1	6326	NT	Homo sapiens chromosome 21 segment HS21CUD8
L		1.3			Z	Homo septens zinc finger protein 221 (ZNF2Z1), mKNA
	16097 29109	1.3	0.0E+00	7019584 NT	NT	Homo sapiens zinc finger probein ZZI (ZN-ZZI), mkWA

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				DIR III	PAGIL I IOPA	Single LAULT Topics LAFT Court
Probe Exan SEQ ID SEQ ID NO: NO:	ORF SEQ ID ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit. Detablese Source	Top Hit Descriptor
2919	16097 29110	13	0.0E+00	7019584 NT		Hamo saplens zinc finger protein 221 (ZNF221), mRNA
	L		0.0E+00 M98	78.1		Human transglutaminase mRNA, complete cds
L		30.49	0.0E+00 D506	67.1		Homo saplens gammma-cytoplasmic actin (Actions) pseudogene
2926 16	L		0.0E+00			Homo sapiens gammana-cytopiasmic actin (AC I or 3) pseudogene
l _	16106 29121	3.42	0.0E+00	1.		Acres Furner mixing from chromosome 1, which has summarives to the general
<u> </u>		G12				H. saplens mitthe for nuclear UNA networks III
2931 16	16108	1.13		0.0E+00 AF152303.1		Homo sapters protocathern appra or (Frouthernet) invert, writings we
_	16109 29122	74.83				Homo septens elikeryone transferror excitation forms of FEEFAA) mRNA
	16109 29123	74.83				Homo sapiens eurogramm congramm remain l'applia I (ELLI INI) IIII de l'Allin
2044	16121 29134	254		4507280		Homo septems seminemine Minase 9 (3 LNB) HILVEN
<u> </u>	L	1.19	0.0E+00 AL04	7599.1	HUMAN	DKFZp68863067 IT 586 (synonym numai) nomo seprens convolución chorocom.
2948 16		96'0	0.0E+00	TNB81883 NT		Hamo septems KIAA0054 gene product, in the case (NAVANORA) maken
l_	16125 29140		0.0E+00	7661883 NT		Homo sepiens KIAA0054 gene product; Helicase (MAA0054), IIINNA
į.			0.0E+00	4503098 NT		Homo sapiens chandroitin suifate proteogrycan 4 (metanamenessaceaeu) (Cor C+), IIII N.A.
1	16129 29142		_	BE081898.1	П	QV2-BT0636-130400-138-h03 BT0636 Homo espiens QUNA
ı				BE081896.1	EST_HUMAN	QV2-BT0638-130400-138-103 BT0636 Hamb septems CUNA
1	L		0.0E+00	6806918 NT		Homo saplens low density lipoprotein-featied protein 2 (Lnn. 2), minver
2858		0.77	L	6806918 NT	¥	Homo saplens low density lipoprotein-related protein 2. (LTG"2.), missiva.
١		3 2.3		0.0E+00 AL163206.2	ĮĄ.	Homo seplens chromosome 21 segment noznowo
1	16138 29157			0.0E+00 AL163208.2	¥	Homo sapiens chromosome 21 segment nozi cood
		13		AA215579.1	EST HUMAN	zegorii, si NCI_CGAP_GCB1 Homo septens ound drate induct
2 62 02 2 02 02 02 br>02 0			1	0.0E+00 Y19210.1	LN	Homo saplens IMIb5 gene for hair keratin, exons 1 to 9
1	16448 29167	1.05	1	4758279 NT	¥	Homo sapiens EphA4 (EPHA4) mRNA
2074			١_	4503470 NT	NT	Homo saplens eukaryotic translation elongation 1 april 1 (EEF1/A1) mit ver
I _				0 0E+00 AF61002 1	EST HUMAN	IN18407.X1 NCI_CGAP_BIN25 Homo sepiens cDNA done IMAGE:216/861 5 Seminar to Incoloc44 048247 F4457.2 PROTEIN:
2/82	17162					th 18407.x1 NCI_CGAP_Bn 25 Hamo sapiens cDNA done IMAGE 2167881 3' similar to TR:016247
2975 18	16154 29172	1.15		0.0E+00 AJ561002.1	EST_HUMAN	016247 F44E7.2 PROTEIN.;
_		4 1.18		0.0E+00 P62740	SWISSPROT	ZNC FINGER PROTEIN 13Z
L	16154 29175	1.04		AF152338.1	Ā	Homo sapiens protocedrerin generia CA (T.C.D.Tgailling CA) Illing CA, CALIFORNIA
	16170 29187	7 3.4		0.0E+00 AB033093.1	¥	Home sapiers mkNA for KIVAT.207 present, par use cus
L			0.0E+00 ABO	AB033093.1	N	Homo saplens mitths for Klassizor protein, per usinces
2005	18474 29189		1	AB040941.1	N	Homo sapients mRNA for KIAA15X8 protein, partial dos
İ			١			

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Top Hit Descriptor	Homo septens mRNA for KIAA1508 protein, partial cds	Homo sapiens KIAA0100 gene product (KIAA0100), mRNA	Homo saplens KIAA0100 gene product (KIAA0100), mRNA	Homo sepiens myeloidfymphoid or mbed-lineage leukernia (tithorax (Drosophila) homolog); translocated to, 4 (ALLT4) mRNA	Homo sepiens myeloidfymphoid or mbæd-lineage leukernia (trifhorex (Drosophila) homolog); translocated to, 4 (NILT4) mRNA	Throdos x1 NCI_CGAP_Lu24 Homo septens cDNA clone MAGE:3657028 3' similer to TR:Q9VLN1 Q9VLN1 CG17293 PROTEIN.;	7n40d03.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone NAGE:3567028 3' similar to TR:Q9VLN1 Q9VLN1 CG17283 PROTEIN.;	Homo sapiens melanoma antigen, family B, 4 (MAGEB4), mRNA	Homo sapiens melanoma antigen, family B, 4 (MAGEB4), mRNA	Homo septens neurexin III (NRXN3) mRNA	Homo sapiens mRNA for KIAA1208 protein, partial cds	Homo sapiens immunoglobulin-like transcript 1c variant 4 (ILT1c) gene, excn 6	q43009.x1 Scares_testis_NHT Homo sepiens cDNA clone IMACE:17528093	Homo sapiens neuropiiin 2 (NRP2) gane, complete cds, alternatively spilced	Homo sepiens neuropilin 2 (NRP2) gene, complete cds, atternatively spiced	Homo sepiens prospero-related homeobox 1 (PROX1) mRNA	Homo sepiens mRNA for PKU-eighe, partial cds	Homo sepiens KIAA0737 gene product (KIAA0737), mHNA	hho308.x1 NCI_CGAP_Kid11 Hamo sepiens cDNA clone IMAGE:2064056 3' similar to TR:060401 U60401.  PAC CLONE DJ1168D11 FROM 7P21-P22, COMPLETE SEQUENCE;	Homo sapiens catchum channel, voltage-dependent, gamma subunit 3 (CACNG3), mRNA	Homo sepiens calcium charnel, voltage dependent, gamma subunit 3 (CACNG3), mRNA	Homo sepiens intersectin short isoform (ITSN) mRNA, complete cds	Hamo sapiens intersectin shart isofam (ITSN) mRNA, camplete cals	Hamo sepiens chiranosame 21 segment HS21C046	Human displacement protein (CCAAT) mRNA	Homo sapiens semenogelin I (SEMG1) mRNA	Homo sapiens membrane-bound aminopeptidase P (XNPTEPZ) gene, comprete cus	Homo sapiens heat shock 70kD protein 1 (HSPATA), mKNA	Homo sepiens heat shock 70kD protein 1 (HSPA1A), mikwa
Top Hit Database Source	NT.					T_HUMAN					TN	NT	EST_HUMAN	NT	NT		LN		EST_HUMAN			¥	M	NT	NT	Ā	¥	¥	뉟
Top Hit Accesion No.	AB040941.1	T661903 NT	7661903 NT	5174574 NT	5174574 NT	0702.1	0702.1	4505084 NT	4505084 NT	4758827 NT	0.0E+00 AB033034.1	6275.1	0.0E+00 AI149880.1		0.0E+00 AF281074.1	4506118 NT	0.0E+00 AB004884.1	7862273 NT	0.0E+00 AW612526.1	5729755 NT	5729755 NT	AF114488.1	AF114488.1	0.0E+00 AL163246.2	0.0E+00 M74099.1	4506882 NT	8	5579469 NT	5579469 NT
Most Similar (Top) Hit BLAST E Value	0.0E+00/	0.0E+00	0.0E+00	0.0Ё+00	0.0E+00	0.0E+00 BF11	0.0E+00 BF11	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AF10	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AF11	0.0E+00 AF11	0.0E+00	0.0E+00	00+30 <sup>-</sup> 0	0.0E+00 AF19		0.0E+00
Expression Signal	62	3,31	3.31	8.4	483	1.00	1.28	3.91	3.91	1.51	0.98	9.6	4.	0.71	0.71	0.82	2.81	1.85	1.82	24	24	1.17	1.17	0.61	1.28	99.0	3.53	4.9	4.9
ORF SEQ ID NO:	29190						<u>.</u>		20212		28221			L	29243	29244		28252					29264	L.		29282			28304
SEQ ID	16171	L	L				16178	16187	16187	16195	16198	1	L		<u> </u>		1_		<u> </u>		1		I .		<u> </u>	L	16285	1	16288
SEO ID	2005	2000	2008	2000	888	308	308	3011	8	3019	3022	3024	308	3045	3045	8048	3047	3057	3058	3059	3050	3067	3067	88	3083	3102	3109	3112	3112

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			al cds	W4 protein, JM5 protein, T54 protein,	protein 6, and synaptophysin genes,					Jeffe Cds				1 42B-0110 allele, pertial cds	(GE:2064733 3' similar to		rily, member 1 (KCNB1) mRNA				AGE:119453 3' similar to SP:528539	77493 5	Agent 2	2000		CON COMPACE CONTRACTOR	TOTAL CONTRACT MENT OF STREET	Marian I			the cds		
	Top Hit Descriptor	soform 2 of a novel human mRNA from chromosome 22	Homo saplens putative franscription factor CR63 (CR53) mRNA, partial cds	Homo sepiens transcription factor IGHM enhancer 3, JM11 protein, JM4 protein, JM5 protein, T54 protein,	JM10 protein, A4 differentiation-dependent protein, triple LIM domain protein 6, and synaptophysin genes,	complete cds; and L-type calcium channel 8>	Homo sapiens interleukin 2 receptor, beta (IL2RB) mRNA	Human germline gene 16.1 for Ig kambda L-chain C region (IgL-C18.1)	Homo sapiens F-box protein FBL5 (FBL5) mRNA, complete cds	Homo septens meterrome essociated antigen (MAGE-C1) gene, complete cds	Hamo sapiens SWI-SNF complex protein p270 mRNA, partial cds	Homo sepiens NOD1 profein (NOD1) gene, exons 1, 2, and 3	Homo sepiens KIAA0469 gene product (KIAA0469), mRNA	Homo saplens offactory receptor-like protein (OLFR 42B) gene, OLFR 42B-0110 allele, partial cos	ABZNOTX1 Scenes_NFL_T_GBC_S1 Homo saplens cDNA done IMAGE:2864733 3' similar to SW-RNP HYDHY PRO677 RIBONUCLEASE PANCREATIC;		Homo septens potessum voltage-gated channel, Shab-related subfamily, member 1 (KCNB1) mRNA	Human ferritin heavy chain mRNA, complete cds	Homo sapiens mRNA for KIAA0549 protein, partial ods	Homo sapiens mRNA for KIAA0549 protein, partial cds	yes2703.c1 Strategene king (#037210) Homo sapiens cDNA clone IMAGE:119453 3' stmilar to SP:S28039	SCHOOL PASSES FINE 1800 EF Home continue of NA Alone HARGE-44107493 ST	118/65U/FT NIT MGC TO THE SPENIS CONTRACTOR INVOCEDA	WITZHOOT NG CGAP GOO HOMB SEPARE GOIN GUE INFICE ZO 10000	H. sapiens mRNA for gamma-grutamywansterase	H.sapiens mKNA for gamme glutemyuransionase	tig8g08.x1 NCI_CGAP_P728 Hamo sapiens cUNA cone INAGE:2253370 3 SIMBIT to 3W 1995/L_UNCAP P03987 RAS-LIKE PROTEIN RASD ;	Homo sapiens neureain III (NRXN3) mRNA	Homo saplens neuredn III (NRXN3) mRNA	Homo seniens interleuldn 1 receptor, two   (IL1R1) mRNA	Homo seniers mickoder phosphoratein B23 (NPM1) mRNA, complete cds	110110 superior research from the form of the former property. Member 5	Homo septents source carrier is may be (nimon white come; and (SLC25A5), nuclear gene encoding mitochondrial protein, mRNA
-	Top Hit Database Source	NT Isc	¥ 5	¥	<u>ਤ</u>	NT NT				H LN					X . NAMI 2	Т			Ĭ.			Т	Т	LHOMAN		¥	EST HUMAN P						
28	Top Hit Acession No.	3403.1	0.0E+00 AF017433.1			0.0E+00 AF196779.1 · N	4504664 NT	28.	9355.1				7662139 NT	0.0E+00 AF042075.1		04180.1	4828783 NT	20941.1	-	Į.		70.1	3336.1	1			0.0E+00 Al683950.1	58877	4758827 NIT	450.4650	0000	0.0E+00 MZ8089.1	4502088 NT
	Most Similar (Top) Hit BLAST E Value	0.0E+00 AL35	0.0E+00/			0.0E+00	0.0E+00	0.0E+00 X035	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00/	100	0.0E+00 AW	0.0E+00	0.00	0.0E+00 AB011121	0.0E+00 ABO		0.0E+00 T94870.1	0.0E+00 BF2	0.0E+00 AI96	0.0E+00 X98922.1	0.0E+00	0.0E+00	١	1		0.0=+00	0.0=+00	0.0E+00
	Expression Signal	727	1.88			2.21	3.78	3.23	1.92	1.75	4.71	10.17	3.92	82		1.19	3.84	20.63	1.05	1.05		25.61	0.83	122	5.36	5.36	191	130	120	8	9.58	4.54	1.82
	ORF SEQ ID NO:		2000				28313	20333	1	28340	28358	28357	20361	28362	<u> </u>	28368	20895		20407	29408			L	29434			<u> </u>	l				29482	29485
	SEQ ID	16290	1	L		16298	1	L	1	1_	L	Ŀ	L		1	16362	16384		ı	ı	1	16403	16418	16419	16424	L		L	_1_	1		16462	16468
	Probe SEQ ID NO:	3114	2440			3422	24.24	8445	3454	34.55	3175	3176	3484	3480		3187	2210	3	2000	33		3228	3244	3246	3250	3260	4245		3202	3202	3270	3288	3292

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Top Hit Descriptor	Homo sepiens CREB binding protein (Rubinstein-Taybi syndrame) (CREBBP) mRNA	Homo sepiens CREB binding protein (Rubinstein-Taylo syndrome) (CREBSP) minny	ae87b11.s1 Strategene schizo brain S11 Homo sepiens cDNA clone IMAGE:9/1133 3	Homo sapiens angiostatin binding protein 1 mRNA, complete cds	Homo sapiens angiostatin binding protein 1 mRNA, complete cds	Homo septens fibrillin 1 (Marfan syndrome) (FBN1) mRNA	Homo septens titin (TTN) mRNA	Human connexin 43 processed pseudogene	Homo septens HLA class II region containing tenescon X (tenescon-X) gane, parua cos, cyroutronio rivorali.	hydracylese (CYPZ1B), campament companent C+ (C+D) G 11, inclused (CNZ1V), 11c, companient C+ (C+D) G 11, inclused (CNZ1V), 11c, companient C+ (C+D) G 11c, inclused (CNZ1V), 11c, companient C+ (C+D) G 11c, inclused (CNZ1V), 11c, companient C+ (C+D) G 11c, inclused (CNZ1V), 11c, companient C+ (C+D) G 11c, inclused (CNZ1V), 11c, companient C+ (C+D) G 11c, inclused (CNZ1V), 11c, companient C+ (C+D) G 11c, inclused (CNZ1V), 11c, companient C+ (C+D) G 11c, inclused (CNZ1V), 11c, companient C+ (C+D) G 11c, inclused (CNZ1V), 11c, companient C+ (C+D) G 11c, inclused (CNZ1V), 11c, companient C+ (C+D) G 11c, inclused (CNZ1V), 11c, companient C+ (C+D) G 11c, inclused (CNZ1V), 11c, companient C+ (CNZ1V),	Homo sapiens very lenge G-ordein coupled receptor-1 (VLGR1) mRNA, complete cds	Homo carlens A kinesa (PRKA) anchor profein 1 (AKAP1), mRNA	CALLO SEPACION NATIONAL OF THE STATE OF THE	HOMO SEQUENCE A MINISCH (TANA) SELECTION OF THE COLUMN SECUENCE OF T	Home septems own Four complex protein party times were	Homo sapiens hypothetical protein PLUZUOSO (PLUZUOSO), minno	Homo sapiens death receptor 6 (DRs), mrkNA	Homo sapiens G protein-coupled receptor 24 (GFK24), mKNA	treshe zz NCI_CGAP_Parm Home septens aliva dans invave=2222005 5 stilling to contract.  P25121 GDS RIBOSOMAL PROTEIN L11. ;contains Alu repetitive element.	EST367470 MAGE resequences, MAGU Homo sapirans CLINN	Homo sapiens telomerade reverse transcriptase (TERT) gene, exurs 1-0	Homo sapiens telomerase reverse transcriptions (   E.M. ) gene, extra 1	Homo sapiens normonally utregulated neu turnor-tassociation library (HI INK) mRNA	Homo sapiens hormonally upregulated had turnica-essociated in less (1 10 10 10 10 10 10 10 10 10 10 10 10 10	Home sapiens caspase 8, apoptosis-related dystrane protesse (CASTO) minuth	Homo sapiens caspasa 8, apopiosis-regied dysteme protessa (who regiens caspasa 8, apopiosis-regied dysteme	Homo sapiens pyrin (MEFV) gene, complete cds	Homo septens mRNA for KIAA1507 protein, partial cds	601464965F1 NIH_MGC_67. Hamo sapiens cDNA dane IMAGE:3868246 5	WE10704-X1 NCI_CGAP_GCS Homo sepiens CDNA cone IMAGE_ZSU5Z/9 3' SIMIRT TO INCUS 1829 CS 1829 ZINC FINGER PROTEIN.;	AU123684 NTZRMZ Hamo sepiens cDNA done NTZRM2000735 5	Homo sapiens neuroblastoma-emptified protein (LOC-31694), mrova
Top Hit Database Source			EST_HUMAN	¥	TN			Ę	•	ţ			-			NT	M	NT	EST_HUMAN	EST HUMAN	M	NT	N	PA.	NT	TN	NT	NT	EST_HUMAN	EST HUMAN	EST HUMAN	F
Top Hit Acession No.	4758055 NT	4758055 NT	4783.1	6598.1	6598.1	4557590	4507720 NT	89.1		, 67,0	Ţ	U.UE+00 Arrasaos+.1	450Z014 NI	8	0.0E+00 AF265208.1	8923624 NT	7857038 NT	4885312 NT	AJ586294.1	0.0E+00 AW955400.1	0.0E+00 AF128893.1	0.0E+00 AF128893.1	7857213 NT	7657213 NT	4502582 NT	4502582 NT	AF111163.1		BE779039.1	AI632569.1	188	7706239 NT
Most Similer (Top) Hit BLAST E Veitue	0.0E+00	0.0E+00	0.0E+00 AA77	0.0E+00 AF28	0.0E+00 AF28	0.05+00	0.0E+00	0.0E+00 M651		100	OUCTOD A	0.05+00/	0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AI580	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AF11		l		1	0.0E+00
Expression Signel	0.78	0.78	29.40	8.38	8.38	3,04	1.01	10.18		1	CR.O	4.06	1.34	1.34	3.56	0.95	1.42	0.72	3.14	9.94	2.41	2.41	1.03	1.03	1.28	128	11.92		0.79			1.16
ORF SEQ ID NO:	20483	20404	29495	20503	20504							20027/						29573			29596											29671
SED ID	16472	16472	16474	1	ı			<u> </u>			ļ	- 1		18464				L	<u> </u>		16581		16582	L	1_	L	_		┸	<u> </u>		LI
Probe SEQ ID	3228	Š	300	3308	300	3320	33.28	3334			3335	333	3348	3348	3383	3364	3377	3388	3401	3404	3412	3412	3413	3413	3416	3418	3440	2	3428		3483	3492

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					NE SE		Single Excit Probas Expressed in Fraction
Probe SEQ ID NO:	Exch SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similer (Top) Hit BLAST E Vælue	Top Hit Acession No.	Top Hit Detrabase Source	Top Hit Descriptor
3483	16680	23672	1.26	0.0E+80 AF21	1189.1	K	Homo sepiens T-type celcium channel alpha1 subunit Alpha11-a Isoform (CACNA1I) mRNA, complete cds
3408					67015.1	EST_HUMAN	MR1-SN0033-100400-001-c08 SN0033 Homo sepiens cDNA
3511	16677	29687	202		7682401 NT	M	Homo saplens KIAA0852 protein (KIAA0852), mRNA
3511	16677	29688	202	0.0E+00		뒫	Homo sapiens KIAA0952 protein (KIAA0952), mRNA
3512				0.0E+00	4502398 NT	F	Homo sapiens beaded fitament structural protein 1, flensin (BFSP1) mttNA
3514	16680	29690	235	0.01100	TN 7905085	Ā	Homo sapiens leuleocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2 (LILYAZ), mRNA
3523	L		,		AF110783.1	NT	Homo septens skeletal muscle LIM-protein 1 (FHL1) gene, complete cds
3528				00+30'0	7657038 NT	M	Horno sapiens death receptor 8 (DRS), mRNA
3632					K02380.1	Į.	Bacteriophage P1 replication region including repA, parA, and parB genes and incA, incB, and incC incompatibility determinants
3535	L				7427522	TN.	Homo sapiens protein tyrosine phosphatase, receptor type, T (PTPRT), mRNA
3538		29714			4557748 NT	M	Homo saplens met proto-oncogene (hepatocyte growth factor receptor) (MET) mRNA
2544	İ				0 0F+00 Al835159.1	EST HUMAN	wp14d10x1 NCI_CGAP_Lu19 Home sapiens cDNA clone IMAGE:2464819 3' similar to TR:073634 073634 NEURAL CELL ADHESION MOLECULE;
}							wp14d10_x1 NCI_CGAP_Lu19 Hamo sepiens cDNA clone IMAGE:2464819 3' similar to TR:073634 073634
3544	16709	29720	4.17		0.0E+00 AIB35158.1	EST_HUMAN	NEURAL CELL ADHESION MOLECULE;
3548	16713				AJZ7812	Ę	Homo explens mRNA for putative ankyrin-repeat containing protein (URC-1)
3555	16720		6.38	0.0E+00		Ę	Homo sapiens whose FBJ murine ostacearcome viral oneogene homoseg (TCS), mixty
3556	16720	L	6.38			¥	Homo saplens wfos FBJ murine osteosarcoma viral oncogane nomotog (FOS), mirovy
3580	18725		1.41		M14123.1	N.	Human endogenous retrovirus HERV-K10
3566	1873		5.78		0.0E+00 U43283.1	Ę	Human MDS1A (AML1/MDS1 Tuston) mHXNA, partial cas
3574	16739	29755	2.57		0.0E+00 AF045452.1	Į,	Homo sepiens cell-line KG1 transcriptional regulationy protein po4 mixtvA, complete cus
3574	16739	29756	257		0.0E+00 AF045452.1	N	Homo sepiens cel-line KG1 transcriptional regulatory protein po4 mixNA, complete cus
3582	16747		1.18		0.0E+00 AF231922.1	Ę	Homo septens chromosome 21 unimown mRNA
3594	16758		3.29		0.0E+00 BE304791.1	EST_HUMAN	601143853F1 NIH_MIGC_15 Hamo septens cDNA clone IMAGE-3051373 6
3594			3.29		BE30479	EST_HUMAN	601143853F1 NIH_MGC_15 Hamo septens cDNA clane IMAGE:3051373 5
3597	<u> </u>		1.04	0.0E+00	4828795 NT	M	Homo capiens potasskum voltage-gated charmel, isk-related terrifly, member 2 (KCNE2) mrdVA
3600	L		0.8		0.0E+00 O14867	SWISSPROT	TRANSCRIPTION REGULATOR PROTEIN BACH1 (BTB AND CNC HOMOLOG 1) (HAZ303)
8988		28782	0.89	0.0E+00 AI384	AI384007.1	EST HUMAN	teS5g12.x1 Scares_Nh1MPu_S1 Homo sapiens dONA done IMAGE:2088742 3' similar to 1 K:000499 Pt. 000498 MYASTHENIA GRAVIS AUTOANTIGEN GRAVIN ;
382					0.0E+00 AB032979.1	۲N	Homo sepiens mRNA for KIAA1153 protein, partial cds
38		Ì		0.0E+00 AB03	AB032979.1	TN	Hamo sapiens mRNA for KIAA1153 protein, partial cds
	1						

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Top Hit Descriptor	Human mRNA for KIAA0333 gene, partial cds	Human mRNA for KJAA0333 gene, partial cds	MR2-CT0222-281099-005-e05 CT0222 Homo sepiens dDNA	Homo saplens matrix metalloproteinase 24 (membrane-inserted) (MMP24), mRNA	Homo sapiens mRNA for KIAA0796 protein, partial cds	TRANSCRIPTION REGULATOR PROTEIN BACH1 (BTB AND CNC HOMOLOG 1) (HAZ303)	Hamo sapiens mRNA for KIAA0910 protein, partial cds	Homo sapiens mRNA for KIAA0910 protein, partial ods	UHH-BW0-q9-6-12-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE_Z/339/22 3	UFH-BW0-gis-e-12-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clare IMAGE:2/33022 3	Human gene for Type XIX collagen a1 chain, exon 6	aa06g01.r1 Soares_NhHMPu_S1 Homo capiens cDNA clone IMAGE:812496 5 similar to SW:KRB4_SHEEP P02445 KERATIN, HIGH-SULFUR MATRIX PROTEIN, IIIB4. [1] ;	Homo sapiens similar to rat integral membrane glycoprotein POM121 (POM121L1), mr8vA	Hamo sapiens mRNA for KIAA1414 protein, partial cds	Homo sepiens KIAA0569 gene product (KIAA0569), mRNA	Homo sepiens ribosomal protein S2 (RPS2) mRNA	Homo sepiens v-ets avian erythroblestosis virus E28 oncogene related (ERG), mRNA	Homo sepiens webs evian enythroblastosis virus E28 oncogene related (ERG), mithA	Homo sapiens plasminogen activator inhibitor, type II (erginine-serpin) (PAIZ) mRNA	Homo sapiens soluble neuropiin-1 mRNA, complete cds	Homo sapiens DNA mismatch repair protein (MLH3) gene, complete cas	Pan troglodytes difertory receptor (PTR208) gene, pertial cds	Homo saptens stmilar to rat integral membrane glycoprotein POM121 (POM121) mrvvA	Homo sapiens similar to rat integral membrane glycoprotein POM121 (POM121L1), mrnA	Homo sapiens smooth muscle myosin heavy chain SM1 mRNA, aremanyary spiroed, parual cos	Gorilla gorilla olfactory receptor (GGO71) gene, partial cds	Gorila gorilla offactory receptor (GGO71) gene, partial cds	te62/10.x1 Soares_NRL_T_GBC_S1 Hamo sepiens cDNA clane IMAGE:209/307 3'	Homo saplens protocadherin beta 3 (PCDH-beta3) mRNA, complete cds	Hamo sepiens desmoplardin (DPI, DPII) (DSP) mRNA	Homo septens ATP-sensitive inwardly rectifying K-channel subunit (KCNJ8/BIR1) gene, complete cds	Homo sapiens methyl CpG binding protein 2 (MECP2), mRNA
Top Hit Database Source	LN LN	IN	EST_HUMAN	LN	ᅜ	SWISSPROT	N.	NT	EST_HUMAN	EST_HUMAN	Į.	EST_HUMAN	NT	NT	N-I	M	NT	F	M	NT	NT	. TN	N	NT	. LN	IN	¥	EST_HUMAN	TN.	NT	NT.	M
Top Hit Acession No.	0.0E+00 AB002331.1	2331.1	51714.1	5729928 NT	8339.1	20	Γ		0.0E+00 AW298134.1		0.0E+00 AB004630.1		7657468 NT	0.0E+00 AB037835.1	7662183 NT	4506718 NT	7657065 NT	7657065 NT	4505594 NT	0.0E+00 AF145712.1	0.0E+00 AF195658.1	9733.1	7857468 NT	7857468 NT	20091.1	27851.1	27851.1	AI377699.1	0.0E+00 AF152498.1	4758189 NT	0.0E+00 S78885.1	7710148 NT
Most Simitar (Top) Hit BLAST E Value	0.0E+00/	0.0E+00 AB00	0.0E+00 AWB	0.0E+00	0.0E+00 ABO1	0.0E+00 014867	0.05+00/	0.0E+00	0.05+00	0.0E+00/	0.0E+00 /	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AF17	0.0E+00	0.0E+00	0.0E+00 AF0	0.0E+00 AF12	0.0E+00 AF12	0.0E+00 AB7	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	0.99	080	24	2.37	1.15	0.74	5	29:	5.42	5.42	2	1.17	323	0.83	5.72	18.03	1.52	1.52	8.94	1.96	0.73	2.38	238	236	1.74	1.05	1.05	1.20	-	26	15.6	2.14
ORF SEQ ID NO:	28937	29938	L							29960												30079	30083		30085					30095	36008	
Exen SEQ ID NO:	16932	16937			ı	1			1_	16955	16983	16984	16991	17000	L	L			1_	<u>_</u>		17084	17087	Ι.			L	ı			17099	Ш
Probe SEQ ID NO:	3774	377.1	3774	3778	3778	3780	3782	3782	3794	3794	3823	3824	3831	3841	3855	3859	3866	3888	888	3922	3924	3925	3928	3928	3929	3835	3835	3036	3937	3938	3940	3942

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- <del> </del>	SEO D NO: NO: NO: 17105 17106 17106 17106 17116 17118	30168 30168 30168 30168 30168 30168 30168 30172 30168 30172 30168 30172 30172 30168 30173 30168	Signal Signal Signal Signal Signal Signal 1.78 1.62 1.62 1.02 1.02 1.02 1.02 1.02 1.03 1.04 1.23 1.24 1.23 1.24 1.33 1.34 1.34 1.34 1.34 1.34 1.34 1.3	Mos BL	Top Hit Acesslon No. No. No. AF068601.2 AF068601.2 AB001523.1 AB001523.1 AB001523.1 AB001523.1 AB001523.1 AF114488.1 AF114488.1 AF1144488.1 AF1144488.1 AF114448.1 AF002017.1 AF002017.1 AL63248.2 AL040338.1 G005897 G005897 G005897 AF149412.1 AF00718 AF149412.1 BF365296.1	T HUMAN	Top Hit Descriptor  Homo seplens KIAA0569 gene product (KIAA0569), mRNA  Homo seplens Myseln light chein kinase leoform 2 (M.CK) mRNA, complete ads  Homo seplens myseln light chein kinase leoform 2 (M.CK) mRNA, complete ads  Homo seplens gene for TALEMI and PMVP2, complete and perilal cus  Homo seplens gene for TALEMI and PMVP2, complete and perilal cus  Homo seplens gene for TALEMI and PMVP2, complete and perilal cus  Homo seplens gene for TALEMI and PMVP2, complete and perilal cus  Homo seplens gene for TALEMI and PMVP2, complete and perilal cus  Homo seplens gene for TALEMI and PMVP2, complete and perilal cus  Homo seplens chromosome X open reading frame 5 (CXORF5) mRNA  Homo seplens protein ZMF134 mRNA, complete cus  Homo seplens for finger protein ZMF134 mRNA, complete cus  Homo seplens familial marter teadedor protein 2 (PLRZ) gene, secn 11  Homo seplens semplicity gene, pertial cos  Wol161 x1 NCI_CCAP_Lym12 Homo seplens cDNA clone IMAGE-2411065 3' similar to TR:O43340  DKF2A540 R28360 2, confirms element HS21CA48  Homo seplens AP1 genme subunit briding protein 1 (AP1 GBP1), mRNA  Homo seplens AP1 genme aubunit briding protein 1 (AP1 GBP1), mRNA  Homo seplens AP1 genme aubunit briding protein 1 (AP1 GBP1), mRNA  Homo seplens help in the perilal cos and the per
4028 4028 4028	17.182	30193			882Z1.1 882Z1.1	EST HUMAN	MXRA5 Human matrix tissue expression library Homo expiens cDNA clone incyte 1996726 similar to MXRA5.  Matrix remodeling associated gene 5  MXRA5 Human matrix tissue expression library Homo sapiens cDNA clone incyte 1996726 similar to MXRA5.  Matrix remodeling associated gene 5
$\mathbf{J}_{-}\mathbf{I}_{-}$	17181	30204	-		9533.1 281.1	NT TA	Homo sapiens F-box protein Fb3b (FBL3B) mRNA, pertial cds Homo sapiens offactory receptor (OR7-141) gene, pertial cds

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Top Hit Descriptor	Homo sapiens difactory receptor (OR7-141) gene, partial cds	601236966F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3608800 5	801153727F1 NIH_MGC_19 Homo sepiens cDNA done IMAGE:3509743 5	PM3-LT0031-100100-003-h09 LT0031 Homo sapiens cDNA	Homo septens iduronate 2-sutranse (Hunter syndrome) (IDS), transcript variant 1, mistra	Human G2 protein mRNA, partial cds	Human G2 protein mRNA, partial cds	Human G2 protein mRNA, partial ods	Homo sapiens cancer-testis antigen C110 (C110) gene, complete cas	Homo sapiens cancer-testis antigen CT10 (CT10) gane, continues cos	Human MHC class II lymphocyte antigen DPW4-beta-2 pseudogene, exon 2	Homo sapiens chromosome Z1 segment HSZ10 103	Homo sepiens chromosome 21 segment HSZ10384	Homo sapiens chromosome 21 segment HS210068	Homo sapiens eukeryotic translation elongation factor 1 alpha 1 (EELTA1) mittina	tt55g08x1 NCL_CGAP_GC8 Hamo saptens cDNA clone MAGE-2244734 3' Smiter to I K-UBUSUS UDUSUS (VIAA0563 PROTEIN ;	Homo sapiens KIAA0569 gene product (KIAA0599), mRNA	Human zinc finger protein ZNF133	Chlorocebus aethiops mRNA for ribosomal protein S4X, complete cds	Homo septens mRNA for UGA suppressor fRNA-associated artigento protein (tRNA48 gone)	Homo sapiens chromosome 27 segment HSZ1UJUS	Homo septiens michael (reper gene)	Homo septems mirana rar raper-z (rape gene)	Homo sapiens retinoblastome-binding protein 4 (Nobr'4) in NAA	Homo sapiens retinoblastoma-binding protein 4 (RBBP4) many	Homo sepiens phosphoribosydycinamide formytransferase, phosphoribosygydnamide synineaese, phosphoribosykanimide synineaese, phosphoribosykanimidiadde synthetase (GART) mRNA	Homo sapiens G protein-coupled receptor 21 (GPR21), mRNA	Homo septens mPNA for KIAA0287 gene, partial cds	Homo sapiens ras GTP ase activating protein-like (NGAP) mRNA	Homo sapiens IMP (inosine monophosphae) denydrogenase 1 (IMP DT1), in truth	Novel human my NA from cilionosome 1, which has sinken has by 12 Barbs
Top Hit Database Source	Į.	EST HUMAN		T_HUMAN			Ŋ					ᅜ		M	M	EST HUMAN	7682183 NT	NT	M	NT	Z	Ę	Ę	Z.	NT	¥	NT	N L	NT.	¥	노
Top Hit Acession No.	U86281.1	78602.1	13146.1	80740.1	0215				16195.1	1		0.0E+00 AL163303.2	0.0E+00 AL163284.2	0.0E+00 AL163268.2	4503470 NT	0 0E+00 AI857078.1	7682183	18	15610.1		0.0E+00 AL163203.2	4JZ77Z76.1	3	5032026 NT	5032026 NT	4503914 NT	4885306 NT	8	4758807 NT.	11419297 NT	0.0E+00 AL096857.1
Most Similar (Top) Hit BLAST E	0.0E+00	0.0E+00 BE37	0.0E+00 BE3	0.0E+00	0.0E+00	0.0E+00 U10991.1	0.0E+00 U10991.1	0.0E+00 U10991.1	0.0E+00 AF1	0.0E+00 AF1	0.0E+00 M23910.1	0.0E+00	0.05+00/		<u> </u>		L						0.0E+00 AJZ	0.0E+00	0.0E+00	0.0E+00					
Signal Signal	4	3.47	12	1.28	8.	8.0	8.0	0.8	9.31	15.0	3.61	7.25	2.93			000				18	1.58		2.68	8.33	8.33		8.02				4.33
ORF SEQ ID NO:	30205	80208	30210	30217			,		L				30258				30284				30318	30319	30320	30327		<u> </u>			1	l	30347
SEQ ID	17194	17108	17199	17207	17208	17233	17233	17233	17239	17239	17248	1	L	L	L.			Ŀ		L	L.	<u> </u>	17328	17335	L				L	L	
Probe SEQ ID NO:	Amag	200	4043	4051	4052	4077	4077	4077	4084	1804	4083	4095	4104	4412	4127	•	4137	4138	4457	4166	4177	4178	4178	4185	4185	4404	4202	4203	4206	4207	4208

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Probe SEQ ID NO: NO: 4209 4227 4227 4227 4234 4234 4236	Exan NO: NO: 17358 17367 17367 17387 17387 17387 17387	ORF SEQ D NO: 27373 27374 30369 30372 30372	Signal Signal 0.98 0.98 0.7 0.7 1.32 1.32 0.64 0.64 0.91	Top Hit Aca No. AA018975. AF165527.1 48 48	Top Hit Detablese Source	Top Hit Descriptor  ze55e09.r1 Soares retina NZb4HR Homo septens cDNA done IMAGE:362920 5' shrilar to contains Atu repetitive eternent; Homo sapiens DGCR8 (DGCR8) mPNA, complete cds Homo sapiens protein kinase, X-linked (PRKX) mRNA Homo sapiens protein kinase, X-linked (PRKX) mRNA Homo sapiens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA Homo sapiens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA Homo sapiens semenogelin II (SEMG2) mRNA Homo sapiens semenogelin II (SEMG2) mRNA Homo sapiens hypothetical protein FLJ10379, mRNA
4238 4244 4252 4252 4255 4255 4256 4256 4256	17384 17380 17380 17400 17404 17410	303873 303873 303873 303873 30380 30380 30380	5.57 5.57 1 1 1 1 2.07 5.76	8922391 AB020702.1 A1982597.1 BE184856.1 BE184856.1 BE27427.7.1 S729725 AW075599.1	T HUMAN T HUMAN T HUMAN	Homo sapiens in Modified and protein FLJ10379 (FLJ10379), mRNA Homo sapiens in Modified and protein FLJ10379 (FLJ10379), mRNA Homo sapiens in Modified and protein FLJ10379 (FLJ10379), mRNA Homo sapiens in MACE-2815975 3  MR1-HT0707-100500-001-902 HT0707 Homo sapiens cDNA MR1-HT0707-100500-001-902 HT0707 Homo sapiens cDNA MR1-HT0707-100500-001-902 HT0707 Homo sapiens cDNA MR1-HT0707-100500-001-902 HT0707 Homo sapiens cDNA MR1-HT0707-100500-001-902 HT0707 Homo sapiens cDNA FOIT SET INIH_MGC_20 Homo sapiens cDNA clone MAGE-2857690 5' stmiller to SW:TH12_BOVIN Homo sapiens rucker receptor coactivetor SNA clone MAGE-2800096 3' stmiller to SW:TH12_BOVIN Q95108 MITOCHONDRIAL THIOREDOXIN PROSECURSOR;
4278 4278 4278 4300	17423 17423 17432 17443	30411 30411 30429	1.156 1.556 1.557 2.35 1.07	AW408788.1 8922466 8922468 5174632 ABG37739.1	HUMAN	ULHF-BM0-edx-c-02-0-UI1 NIH_MGC_38 Homo sepiens cDNA done IMAGE:3063147 67  Homo sepiens hypothetical protein FLJ10498 (FLJ10498), mRNA  Homo sepiens hypothetical protein FLJ10498 (FLJ10498), mRNA  Homo sepiens polycystic (ddney disease (pdlycystin) and REJ (sperm receptor for egg jetly, sea unchin homobog)-like (PKDREJ) mRNA  Homo sepiens mRNA for KIAA1318 protein, partial cds  2088107.51 Soares_testis_NHT Homo sepiens advancetture denney at the contains Alu
4309 4312 4338 4345 4345	17452 17452 17481 17481 17481 17531	30438 30443 30462 30512	11.47 11.47 11.47 11.47 10.86 5.01	01438.1 01438.1 57478.1 4758189 83303.2	THUMAN	repeatuve destricting the first of the contains Autority of the second of the contains Autority of the contains Autority of the second of the contains Autority of the contains Autority of the contains of th

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Top Hit Descriptor	PAYS_DYTOO?2_080701_0104_408_DYTO?3 Home septems cDNA	FIRST CONTROL NILL MACE AT Home regions ANA Africa HAGE-1988248 5	United Sections E. Language Bold (DBLA) mBNA partial ada	India Saprais Food productions of the Control of th	Homo sapiens low density lipoprotein-related protein 2 (LINF2), mixiw	Homo sapiens low density itpoprotein-related protein 2 (LRP2), mRNA	qd23f06⊾rt Soares_placenta_8tc9weeks_2NbHP8tc9W Homo sapiens cDNA clone lMAGE:1724579 3* eimilar to contains MER20.b2 MER20 repetitive element ;	Human CBFA3 (Chfa3) gene, partial cds	Homo septens myeloid/fymphdd or mbad-lineage leukenna (trifhorex (Drosophila) homolog); transbocated to, (MLLT4) mfNA	Homo saplens protein kinase C, nu (PRKCN), mRNA	Homo sapiens protein kinase C, nu (PRKCN), mRNA	Human G2 protein mRNA, partial ods	Human G2 protein mRNA, partial cds	Homo saplens COMPLEMENT COMPONENT C19 RECEPTOR (C10R), mRNA	Homo sepiens gap junction protein connexin-36 (CX36) gene, complete cds	Homo sepiens plasma membrane calcium ATPase isoform 1 (ATP261) gene, alternative space products,	Parus Lyon K.	The state of the s	n Sapratis nazini yang	H. Sapiens nava gene for na marane	Tigations in the library	Homo sepiers KIAAUseu gene product (NAAuseu), mrva	Homo saplens KIAAU390 gene product (NIAAU39U), mixiwa	Homo sapiens caudal type homso box transcription factor 4 (CLJA4), mrtvA	Homo sepiens Xq pseudoaulosomal region; segment 2/2	Homo septens chromosome Z1 segment HSZ1C007	Homo sapiens mRNA for KIAA1360 protein, partial cos	Homo sepiens myosin regulatory light chain interacting protein (MIR), miXNA:	Homo sapiens membrane-bound aminopeptidase P (XNPEP2) gene, complete cas	Homo saplens ACTN2 gans for alpha-Actinin 2, evan 10	Homo sepiens ACTN2 gene for alpha-Actura 2, each 10	24g7 Human retina cONA randomy primed subtorary Homo saptens curva	24g7 Human retina cLAVA randomy primed sububitary from separats CLAVA
Top Hit Database	CT LIBRAN	EST TOWAN	ESI HUMAN	MI	NT	¥	EST HUMAN	Z		₽ F	FN.	٦	NT	ᅜ	М		ź!	Į.	2	5	ĮŅ.	¥	F	NT	NT	M	NT	K	NT.	NT	5	EST HUMAN	EST HUMAN
Top HR Acession No.	,	36689.1	9039.1	4590.1	6806918 NT	FN 8169089	1180844.1		5174574	6563384 NT	6563384 NT			6912281 NT	0.0E+00 AF153047.2			80.1	280780.1	(60483.1	8	7662091 NT	7662091 NT	4885128 NT	1271736.1	0.0E+00 AL163207.2	3778	7019456 NT	95953.1	40765.1	AJ249765.1	0.0E+00 W26179.1	0.0E+00 W26179.1
Most Similar (Top) Hit BLAST E	Value	0.0E+00 AWS	0.0E+00 BE77	0.0E+00/AF17	0.0E+00	0.0E+00	0 0F±00 Al189844 1	0.0E+00 U14520.1	00-90	0.0E+00	0.0E+00	0.0E+00 U10991.1	0.0E+00 U109	0.0E+00	0.0E+00		0.0E+00 L14561.1	0.0E+00 Z807	0.0E+00 Z80/	0.0E+00 X60483.1	0.0E+00 X804	0.0E+00	00E+00	0.0E+00	0.0E+00]AJZ	0.05+00	0.0E+00 ABC		0.0E+00 AF1				
Expression Signal		180	900	5	M.0	0.74	,	1 4 A	980	0.72	0.72	1.08	8.	10.33	1.06		3.62	6.28	6.28	1.59		10.05	10.05	14.1	1.16	1.24	12	1.8	6.61				0.69
SEQ.		30529	29812	30537	30644	30545			SOFE	30565	30586	30572	30573	30678				30616				30630	30631	30645	L		30648	L		30687			Ц
ORF SEQ ID NO:						T=	1	-14	- 0	שוכ	10	7	II	12	18	1	였	34	8	17640	17640	17644	1764	18	2	18	17661	17691	18	18	18	ĮΞ	1771
	Š			4410 17552	L		l	4420 1/301	1	L	<u>L</u> .		17691	17800	Ŀ	1	4490 17630				4500 176	_	L		L	L_		L	L				4574 17

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Γ		٦	٦	٦	٦	ş	П		Γ					7	٦	٦	٦	Ť			7	7	1.0°		П	٣	٩	٦	۳	<del>*****</del>
	Top Hit Descriptor	Homo sapiens HPS1 gene, Intron 5	seq1329 b4HB3MA Cot8-HAP-Ft Homo sapiens cDNA clone b4HB3MA-COT8-HAP-Ft205 5	seq1329 b4HB3WA Cot8-HAP-Ft Hamo sepiens aDNA done b4HB3WA-COT8-HAP-Ft205 5"	Human endogenous retrovirus HERV-K10	x68e08.x1 NCI_CGAP_Esc2 Homo sepiens cDNA clone IMAGE2589446 3' striller to SW:AHINK_HUMAN Q09688 NEUROBLAST DIFFERENTIATION ASSOCIATED PROTEIN AHNAK;	Homo sapiens LIM domain kinase 2 (LIMK2), transcript verlent 2a, mRNA	Homo sapiens vascular endothelial cell growth factor 165 receptor/neuropilin (VEGF166) mRNA, complete cots	Homo sapiens chromosome 21 segment HS21C007	PM1-HT0305-101189-002-d03 HT0305 Homo sapiens cDNA	Homo sapiens mRNA for putative ankyrin-repeat containing protein (ORF1)	Homo sepiens mRNA for putetive ankyrin-repeat containing protein (ORF1)	Homo sapiens G protein-coupled receptor 50 (GPR50) mRNA	Homo saplens serine-threonine protein kinase (MNBH) mRNA, complete cds	Homo sapiens ATP-censitive inwardly rectifying K-charnal subunit (KCNJ6/BIR1) gene, exon	Homo sapiens pyrin (MEFV) gene, complete cds	Homo sapiens pyrin (MEFV) gene, complete cds	Hamo sapiens zinc finger protein 195 (ZNF195), mRNA	Homo seplens syncytin precursor, mRNA, complete cds	Homo sepiens protocadherin gemma C3 (PCDH-gamma-C3) mRNA, complete cds	Homo sapiens zinc finger protein 211 (ZNF211), mRNA	Homo sepiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) mRNA	Homo sapiens low density lipoprotein receptor-related protein 6 (LRP6) mRNA, and translated products	Homo sapiens chondrottin sulfate proteoglycan 4 (melanoma-essociated) (CSPC4), mRNA	Homo sapiens calcium/calmodulin-dependent protein kinase IV (CAMK4) mRNA	Horno saplens idurchate sulphate sulphatase (IDS) gene, complete cds	Homo sapiens KIAA0390 gene product (KIAA0390), mRNA	Homo sapiens KIAA0390 gene product (KIAA0390), mRNA	Homo sapiens PTEN (PTEN) gene, excurs 3 through 5	Homo sapiens mRNA for G7c protein (G7c gene located in the class III region of the major histocompatibility complex)
	Top Hit Database Source	NT	EST HUMAN	EST_HUMAN	IN	EST_HUMAN	LN	Į.	¥	EST HUMAN	Į.	N.	NT	NT	H	NT	NT	N	NT	INT	IN	·	Ħ	F	FN	N	NT	IN	NT	NT
	Top Hit Acession No.	0.0E+00 AF200629.1	F10233.1	T10233.1	M14123.1	1W084964.1	TN 6191908	AF016050.1	L163207:2	AW381570.1	0.0E+00 AJZ78120.1	0.0E+00 AJZ78120.1	TN 4758467 NT	4F108830.1	578684.1	4F111163.1	1118	6005973 NT	0.0E+00 AF208161.1	0.0E+00 AF152337.1	5464175 NT	4503470 NT	4505016 NT	4503098 NT	4502556 NT	35485.1	7682091 NT	7662091 NT	4F143314.1	0.0E+00 AJ245418.1
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00 T10233.1	0.0E+00 T10233.1	0.0E+00 M14123.1	0.0E+00 AW(	0.0E+00	0 OF+00 AF0	0.0E+00/AL1	0.0E+00 AW	0.0E+00/	0.0€+00/	0.0E+00	0.0E+00 AF1	0.0E+00 S78684.1	0.0E+00 AF1	0.0E+00 AF1	0.0E+00	0.05+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 L35485.1	0.0E+00	0.0E+00	0.0E+00 AF1	0.0E+00/
	Expression Signal	229	0.05	0,65	080	27.37	2.87	1.48	8.47	26'0	13	13	1.06	2.07	1.02	12	12	3.19	20.19	2.17	217	79.97	57.0	1,84	1.03	3.19	15.03	15.03	287	11.67
	ORF SEQ ID NO:		30726	30727		30742		30745		30750	30757	30758	30760	30781	30770		30772	30783	30788	30708	30789	30808	30814	30817	30823		30826	30827	30841	30844
	SEQ ID	17728	17747	17747	17750	17760	18470	17783	17787	17769	17778	17778	17778	17779	17787	17788	17788	18471	17801	17806	17809	17820	17828	17832	17837	17842	1784	17844	17859	17862
	Probe SEQ ID NO:	4591	4610	4610	4613	£623	4625	4877	£834	4633	4640	4640	4642	4843	4651	4852	4652	4861	4666	4671	4874	4685	4693	4697	4702	4707	4709	4709	4724	4727

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0	ORF SEQ Expression (Top) Hit Acession Database ID NO: Signal BLAST E No. Source Value	Homo sapiens mRNA for G7c protein (G7c gene located in the class III region of the major histocompatibility sources of the major histocompatibility located in the class III region of the major histocompatibility sources of the major histocompatibility sources of the major histocompatibility located in the class III region of the major histocompatibility sources of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class III region of the major histocompatibility located in the class II region of the major histocompatibility located in the class II region of the major histocompatibility located in the class II region of the major histocompatibility located in the class II region of the major histocompatibility located in the class II region of the major histocompatibility located in the class II region of the major histocompatibility located in the class II region of the major histocompatibility located in the class II region of the major histocompatibility located in the class II region of the major histocompatibility located in the class II region of the major histocompatibil	1.68 0.0E+00 AA174072.1 EST_HUMAN	0.0E+00 7657410 NT	0.0E+00 AL163284.2 NT	0.0E+00 AF184110.1 NT	4.83 0.0E+00 AL163300.2 NT	1.95 0.0E+00 AB037521.1 NT	0.0E+00 AF195658.1 NT	1.06 0.0E+00 AL162331.1 NT	31.32 0.0E+00 4557887 NT		90881 1.42 0.0E+00 AF153819.1 NT Homo septems invertifying potessium channel Kir2.1 (KCNJ2) gene, exxn 2 and complete ods	1.42 0.0E+00 AF163819.1 NT	2.62 0.0E+00 AF167441.1 NT	0.0E+00 AB028970.1 NT	0.96 0.0E+00 AB028970.1  NT	17.22 0.0E+00 Y18890.1 NT	EST_HUMAN	1.37 0.0E+00 AA418246.1 EST_HUMAN	Home explers truncated baraccin XB (TAXB) gene, partial cos and TAXB gene recombination prespont.	0.0E+00 AL163278.2 NT	1.3 0.0E+00 AL163278.2 NT	2.72 0.0E+00 AB037820.1 NT	2.72 0.0E+00 AB037820.1 NT	3.06 0.0E+00 M74099.1 NT	2.08 0.0E+00 6453812 NT	2.06 0.0E+00 6453812 NT	2.93 0.0E+00 T56945.1 EST_HUMAN	2.93 0.0E+00 T56945.1 EST_HUMAN	4.18 0.0E+00 BEZ78730.1 EST_HUMAN GO1158835F1 NIH MICC_Z1 HOMO SEPTERS CLIVIA CICIE INVICE-3505022 1 0
				-	Š																										-
	Exan ORF SEC ID ID I	986		17884	17886											17911			17022		17829						L				17043
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Top Hit Descriptor Top Hit Descriptor		601285246F1 NIH_MGC_44 Hamo sepiens CDNA clane IMAGE:3607067 5"	Homo sepiens ecotropic viral integration site 28 (EV/28), mRNA	Homo sapiens ecotropic viral integration site 28 (EVI2B), mRNA	Humen AHNAK nitoleoprotein mRNA, 6' end	Human fraptoglobin and haptoglobin-related protein (HP and HPR) genes, complete ods	Human haptoglobin and haptoglobin-related protein (HP and HPR) genes, complete ods	Homo sapiens cyclophilin-related protein (NKTR) gene, complete cds	Homo sepiens KIAA1084 protein (KIAA1084), mRNA	Homo sepiens KIAA0563 gene product (KIAA0563), mRNA	Human proto-oncogene tyrosine-protein kinase (ABL) gens, exon 1a and exons 2-10, complete cds	Novel human mRNA from chromosome 1, which has similarities to BAT2 genes	Homo sapiens bromodomain adjacent to zinc finger domain, 28 (BAZ2B), mRNA	Homo sepiens bromodomain adjacent to zinc finger domain, 28 (BAZ2B), mRNA	Homo sepiens alpha-3 type IX collagen (COL9A3) gene, promoter region, and exons 1-28	Homo sepiens proteins0008 (AD013), mRNA	Homo saptens proteinx0008 (AD013), mRNA	UI-H-BIS-giw-c-04-0-UI.s1 NCI_CGAP_Sub5 Hamo septens cDNA dane IMAGE:2733294 3*	Homo sapiens aidehyde dehydrogenase 12 (ALDH12) mRNA, complete cds	Homo sapiens HSPC024-iso mRNA, complete cds	Human connexin 43 processed pseudogene	xz89d06x1 NCL_CGAP_Lu24 Harro sapiens cDNA clone IMAGE:2871371 3'	Homo sepiens gulathione S-transferase theta 2 (GSTT2) and glubathone S-transferase theta 1 (GSTT1)	genes, complete ods	Homo septens nidogen (enactin) (NID) mRNA	M.fascicularis mRNA for metalloprotease-like, disintegrin-like protein, IVa	Homo sapiens Williams-Beuren syndrome deletion transcript 9 (WBSCR9) mRNA, complete cds	Mus musculus zinc finger transcription factor Kalso mRNA, complete cds	Homo sapiens fragile X mental retardation 2 (FMR2) mRNA	Homo sapiens actin, alpha, cardiac muscle (ACTC), mRNA	ZING FINGER PROTEIN 132	Homo saptens hypothetical protein FLJ20073 (FLJ20073), mRNA	inderentation of the second o	
Top Hit Defeabese	Source	T_HUMAN					IN				Ę	NT			NT			T_HUMAN	NT	NT IN	NT	EST_HUMAN					M	NT			ISSPROT		15	
	d Ž	0.0E+00 BE390050.1	5729817 NT	6729817 NT	0.0E+00 M80902.1	197.1	M69197.1	0.0E+00 AF184110.1	7862479 NT	7662181 NT	0.0E+00 U07563.1	7.	7304922 NT	7304922 NT	0.0E+00 AF028801.1	7019320 NT	7019320 NT	AW444637.1	0.0E+00 AF303134.1	0.0E+00 AF0832421	189.1	0.0E+00 AW339253.1		0.0E+00 AF240788.1	4505394 NT	X87205.1	0.0E+00 AF084479.1	0.0E+00 AF097418.1	4503768 NT	4885048 NT	各	TN 08052298	0 0E-00 MOAD84 4	WESTCOI.1
Most Similar (Top) Hit	Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 M69	0.0E+00 M69	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AW4	0.0E+00	0.0E+00	0.0E+00 MB51	0.0E+00		0.0E+00	0.0E+00	0.0E+00 X87206.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 P527	0.0E+00		
Expression	Signa	1.13	96.0	0.95	50.79	3.07	3.07	2.07	1,05	1.73	1.15	1.20	0.74	42.0	1.25	0.82	0.82	1.29	1.18	2.01	1.33	79.0		2.87	1.95	1.09	66'0	1.04	4.54	98.6	-	3.41	100	20.1
ORF SEQ		30932	30951	30952			30080	30802	20802		30972							31025	31031						31072	31075	31077	31078						
SEC D	Ö	17947	17963	17963	17968	17971	17871	17975	17877	17979	17984	17089	18005	18005	18012	18016	18016	18037	18041	18043	18054	18055		18095	18096	18099	18101	18102	18103	18105	18106	18111	l	Н
Probe SEQ ID	ë	4814	4830	4830	4835	4838	4838	4842	484	4846	4851	4856	4872	4872	4882	4886	4896	4907	4911	4913	4824	4025		4968	4967	4970	4972	4973	4974	4978	4977	4982	į	4880 000

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Table 4
Single Exon Probes Expressed in Placenta

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Top Hit Descriptor	Human ribosomal protein L21 mRNA, complete cds	Human endogenous retroviral DNA (4-1), complete retroviral segment	60 (303729F1 NIH_MGC_21 Hamo sapiens cDNA clane IMACE:3638118 5'	Homo saplens desmoplatin (DPI, DPII) (DSP) mRNA	Homo sepiens mRNA for KIAA1043 protein, pertial cds	Homo sapiens hypothetical protein FLJ20477 (FLJ20477), mRNA	Homo saplens hypothetical protein FLJ20477 (FLJ20477), mRNA	no14g09.s1 NCY_CGAP_Phat Homo sapiens cDNA clone IMAGE-1100704 3' similar to TR:E239140 E239140 SPALT PROTEIN;	no14g08.s1 NCI_CGAP_Phat Homo sapiens cDNA clone IMAGE-1100704 S' similar to TR:E239140 E239140 SPALT PROTEIN;	no14g09.s1 NCI_CGAP_Pha1 Hamo sapiens cDNA clone IMAGE:1100704 3' similar to TR:E239140 E239140 SPALT PROTEIN;	Homo septens chromosome Xq28 melanoma antigen family A2a (MAGEA2A), melanoma antigen family A12 (MAGEA12), melanoma antigen family A2b (MAGEA2B), melanoma antigen family A3 (MAGEA3), caltractin	(CALI), NAL(F)H denyarogenase-nas protein (NSUTIL), and LA	Homo sepiens chromosome Xq28 melanoma artigen family A2a (MAGEA2A), melanoma antigen family A12 (MAGEA12), melanoma artigen family A2b (MAGEA2B), melanoma antigen family A3 (MAGEA3), catimadin (CALT), NAD(P)H dehydrogenase-lite protein (NSDHL), and LD	Homo sapiens DNA mismatch repair protein (MLH3) gene, complete cds	Homo saplens E2F transcription factor 2 (E2F2) mRNA	Homo sapiens MHC class 1 region	Homo sepiens chromosome 21 segment HS21C009	Homo sapiens gammme-cytoplasmic actin (ACTGP3) pseudogene	Homo sepiens titin (TTN) mRNA	Bacilus amydiquefaciens sacB gene for levansucrase (EC 2.4.1.10)	Human endogenous retrovirus mRNA for gag protein	Homo sapiens vascular endothelial cadherin 2 mRNA, complete cds	Homo sepiens vascular endothelial cadherin 2 mRNA, complete cds	Homo sepiens cyclophilin (USA-CYP) mRNA	Homo sapiens ring finger protein (RNF), mRNA	Human cellular fibronectin mRNA	Human celtular fibronactin mRNA	Human endogenous retrovirus-K, LTR U5 and gag gene
Top Hit Database Source	IN	F	EST_HUMAN	IN	N.	NT	TN	EST_HUMAN	EST_HUMAN	EST_HUMAN	ļ	Z	Į,	IN	L	NF	NT	LV.	TN	NT	NT	NT	. IN	F	F	¥	뒫	¥
Top Hit Acession No.	67.1		0.0E+00 BE408863.1	4758199 NT	0.0E+00 AB028988.1	8823441 NT	8923441 NT	0.0E+00 AA601246.1	0.0E+00 AA601248.1	0.0E+00 AA601246.1			71.2	0.0E+00 AF195658.1	758225		12		4507720	38.1	H.1	0635.1	0635.1	5454158 NT	. 5902056 NT			32.1
Most Similar (Top) Hit BLAST E Value	0.0E+00 U149	0.0E+00 M10976.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	ļ	0.0E+00 U82871.2	0.0E+00 U826	0.0E+00	0.0E+00	0.0E+00 U53588.1	0.0E+00	0.0E+00[D50657.1	0.0E+00	0.0E+00 X529	0.0E+00 X727	0.0E+00	0.0E+00 AF24	0.0E+00	0.0E+00	0.0E+00 M109	0.0E+00 M10905.1	0.0E+00 Y080
Expression Signal	7.66	1.25	297	4.85	1.43	2.32	2.32	0.72	0.72	0.72		2.09	2.09	0.72	1.09	0.64	1.69	18.98	0.92	3.55	0.61	1.82	1.82	1.18	0.82	4.68	4.58	0.8
ORF SEQ ID NO:		31197		31201	31205	31212	31213	31225	31228	31227		31220	31230	26472		31247			31268	31287	31288	31305	31306		31322	31323	31324	31327
e <b>Ω</b>	<del>18215</del>	18225	18227	18230	18238	18247	18247	<b>18</b> 259	18260	18259	'	<u>8</u> 282	18262	13440	18270	18282	18289	18292	18304	18318	18319	18334	18334	18335	18354	18356	18358	18358
Probe Exam SEQ ID SEQ ID NO:	5087 18	L.	<u> </u>		L	L	L	5135	5135	5135	<u></u>	5139	5139	5146	5148	6160	L	5170	5182	5196	L	6213	6213	5214	5232	5234	6234	5236

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	Top Hit Descriptor	Homo sapiens solute carrier family 5 (inosital transporters), member 3 (SLC5A3), mRNA	Homo eaplans SH2-containing protein Nsp2 mRNA, complete cds	Homo espiens potassium inwardly-rectifying channel, subfamily J, member 16 (KCNJ16), mRNA	Homo septens polessium inwardly-rectifying channel, subfamily J, member 16 (KCNJ16), mRNA	Homo sapiens 4F2 light chein (LOC51597), mRNA	Homo sepiens 4F2 light chain (LOC51597), mRNA	Homo sapiens chromosome 21 segment HS21C079	ZW44f12.r1 Sogres_total_fetus_Nb2HF8_GW Hamo sapiens cDNA done IMAGE:772943 5	zw44f12.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:772943 6	Homo seplens protocedherin 11 (PCDH11), mRNA	Homo sapiens core1 UDP-galactose:N-acetylgalactosemine-alpha-R bata 1,3-galactosyltransferase (CrGALT1) mRNA, complete cds	Homo capians interfaukin 1 receptor accessory protein (IL1RAP) gene, exon 4	AMI.1-EVI-1=AMI.1-EVI-1 fusion protein (restranged translocation) [human, leukemic cell line SKH1, mRNA	Mutant, 5838 nfl	Multiple scienceis associated retrovirus polyprotein (pol) mRNA, partial cois	Multiple aderosis essociated retrovirus polyprotein (pdl) mRNA, partial cds	Homo saplens glypican 3 (GPC3) mRNA	Homo sepiens acidic 82 kDa protein mRNA (HSU16562), mRNA	H. sepiens mRNA for YRRM2.	1438g09x1 NCI_CGAP_P728 Homo sepiens cDNA clone IMAGE:2253376 3' simiter to SW:RASD_DICDI P03887 RAS-LIKE PROTEN RASD :	Homo sapiens toil-tite receptor 8 (TLR8) mRNA, complete cds	Homo sapiens toli Hive receptor 8 (TLR8) mRNA, complete cds	Homo seplens chromosome 21 segment HS21C006	Hamo sapiens placental growth harmone isoform hGH-V3 (hGH-V) mRNA, complete cds	AV726832 HTC Hamo septens aDNA alone HTCCEA03 6"	Homo sapiens polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly, sea und in homolog)-like (PKDREJ) mRNA	Homo capiens caspace 8, apoptosis-related cycteine protease (CASP8) mRNA	Hamo sepiens aconitase (ACO2) gene, nuclear gene encoding mitochondrial protein, axon 16	Homo sapiens keratin 12 (KRT12) gene, complete cds	Homo sapiens keratin 12 (KRT12) gene, complete cds	Mp06g08.xf NCI_CCAP_Kid12 Hamo septens cUNA clone IMACE: 2464684 3
	Top Hit Detabase Source	NT	TN	노	Į.	NT	TN	IN	EST_HUMAN	EST_HUMAN	LN	L	Į,		NT	NT	FN	TN	LN	NT	EST HIMAN	L	¥	. LN	INT	<b>EST_HUMAN</b>	뉟	Ę	Ę	Ę	٦	EST_HUMAN
	Top Hit Acession No.	5902091 NT	0.0E+00 AF124250.1	TN 2282382	B923822 NT	7706245 NT	7706245 NT				7857442 NT	0 0F+00 AF155582 1					0.0E+00 AF009658.1	6360213 NT	TM57203 NT		A IRREGUEN 4	AF245703.1	AF245703.1	0.0E+00 AL16320B.2	AF006061.1	0.0E+00 AV728832.1	6174632 NT	4502582 NT	0.0E+00 AF093093.1	0.0E+00 AF137286.1	0.0E+00 AF137286.1	A1934954.1
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00/	0.0E+00	0.05	0.0E+00/		0.0E+00 S69002.1	0.0E+000	0.0E+00	0.0E+00	0.0E+00	0.0E+00 X76060.1	A MELON A 188	0.0E+00 AF2	0.0E+00 AF2	0.0E+00	0.0E+00 AFOC	0.0E+00	0.0E+00	0.0E+00	1			0.0E+00 A183
	Expression Signal	0.65	1.91	1.2	12	0.69	0.69	1.89	1.03	1.03	0.93	77.	1.84		9.0	1.83	1.83	24.35	1.07	0.79	000	0.98	0.96	0.96	110.9	1.06	138	1.18	2.45	2.17	2.17	1.21
	ORF SEQ ID NO:	31338					31364	31362			31375		.		31386	31387			31393						31419	L				31436		31562
	SEQ ID	18371	18373	18385	18385	18386	18386	18393	18397	18397	18408	40443	18477		18417	18418	18418		18423	ı		18441	ı	i	l	1		1	1	١.	l i	18590
	Probe SEQ ID NO:	5250	5253	5266	5266	2567	2987	5274	6278	8ZZ9	2200	į,	5207		6300	88	88	5303	5306	5319	2	23.85	5328	5333	833	5340	27.44	3346	5356	2388	8388	2388

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Top Hit Descriptor Source	9256579 NT Homo sepiens protocadherin alpha 13 (PCDHA13), mRNA	EST_HUMAN	L	1 NT	IN	TN	EST_HUMAN	h698602x1 NCI_CGAP_Lu24 Homo septens cDNA done IMAGE:3165194 3' shniter to SW:Y054_HUMAN P42894 HYPOTHETICAL PROTEIN KIAA0054.;	EST HUMAN		qd04a04.x1 Soarse_placenta_8tb@weeks_2NbHP8tb@W Homo sepiens cDNA clone IMAGE:172Z702.3* 1 EST_HUMAN similar to SW:T2D3_DROME P46846 TRANSCRIPTION INITIATION FACTOR TFIID 85 KD SUBUNIT;	IN.	EST_HUMAN	21038 NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	57364 NT	INT	LN.	۲	NT	NT	N		INT H. septions mRNA for myosin
Top Hit Acession No.	825657	BE931080.1	4F182034.1	4F182034.1	(56163.1	(56163.1	3E675498.1	3E220753.1	3E794412.1	3E7944121	0.0E+00 AI189142.1	VZ8908.1	AI791363.1	0.0E+00 1142103	0.0E+00 BF665962.1	AU134406.1	AU134406.1	0.0E+00 BE538857.1	3E292784.1	0.0E+00 BF526328.1	0.0E+00 BF528328.1	455736	0.0E+00 AB007935.1	AB007835.1	0.0E+00 AF267737.1	0.0E+00 AF257737.1	726535.1	535		238133.1
Most Similar (Top) Hit BLAST E Value	0.0E+00		0.0E+00 AF1	0.0E+00 AF1	0.0E+00 X56	0.0E+00 X56	0.0E+00 BE6	0.0E+00 BE2	0.0E+00	0.0E+00 BE79	0.0E+00	0.0E+00 MZ8908.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AU1	0.0E+00 AU1	0.0E+00	0.0E+00 BE2	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AB0	0.0E+00	0.0E+00	0.0E+00 D26	. 0.0E+00 D26	0.0E+00	0.0E+00 Z38
Expression Signal	1.2	3.52	3.5	3.5	8.57	8.57	6.41	1.7	1.67	1.57	0.72	6.23	1.3	4.62	4	0.78	0.78	0.61	1.63	1.65	1.65	1.71	1.28	1.28	8.95	8.95	1.34	1.34	2.01	0.79
ORF SEQ ID NO:	31565		31584			31585	L	31715			31718					31743		34751	31777	31783	31784		31811	31812		31817	31831	31832		31873
SEO ED	18693	L		L.	1	18619	18698				1	_	18709	L	18727	18728	ı		18743		1_	<u> </u>	L	18769	18772	L	18785			
Probe SEQ ID NO:	<b>639</b>	2408	5410	5410	6418	6418	5499	999	550	5501	5502	5508	6510	5520	5530	5531	5531	6637	5548	5551	5551	5578	5573	5573	22	5577	955	2590	9099	5612

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Single Even Proces Lycoston Process	ORF SEQ Expression (Top) Hit Acession Database ID NO: Signal BLASTE No. Source	31898 0.73 0.0E+00 D61664.1 EST_HUMAN 5*	0.73 0.0E+00 D81564.1   EST HUMAN	2.92 0.0E+00 BF529331.1 EST HUMAN	292 0.0E+00 BF528631.1 EST_HUMAN	262 0.0E+00 BF313139.1 EST_HUMAN	4.23 0.0E+00 11434392 NT	0.0E+00 AI928181.1   EST_HUMAN		0.69 0.0E+00 AR28181.1 EST_HUMAN	EST_HUMAN	EST HUMAN	0.0E+00 BE292889.1 EST_HUMAN	32191 2.49 0.0E+00 BE292899.1 EST_HUMAN (601105291F1 NIH_MGC_15 Homo septents d.NA clone IMAGE-2291903 0.	1.7 0.0E+00 11420819 NT ·	1.7 0.0E+00 11420819 NT	본	4.16 0.0E+00 AF084254.1 NT	2.64 0.0E+00 AJ224639.1 NT	2.64 0.0E+00 AJ224639.1 NT	1 0.0E+00 A1198515.1 EST_HUMAN	7.55 0.0E+00 M85719.1 EST_HUMAN	4.52 0.0E+00 AW405472.1 EST_HUMAN	1.12 0.0E+00 Z28289.1 INT	1.85 0.0E+00 AW361877.1 EST_HUMAN	1.85 0.0E+00 AW361877.1 EST_HUMAN	1.85 0.0E+00 AW301877.1 EST_HUMAN	0.59 0.0E+00 AB035266.1 NT	15286.1 NT	0.0E+00 U36261.1 NT	32336 1.02 0.0E+00 AB046861.1  NT    Homo septens mitted for Nith 104 Housing parted cas
										\	2185				2212	2213					2362										
	SEQ ID ORFS	18824			L						18876 3	18885		18898	L		18926			18933										18999	19030
	Probe SEQ ID SI NO:	5630	l		1_	Ι.	l	1	1.	5664	2682	L	Ι.	5705	5725	5725	5733	5733	6740	5740	578	5773	5780	92/93	2083	2088	5804	2807	2907	2808	5840

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		1			)		
Probe SEQ ID NO:	Exem SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acesslon No.	Top Hit Database Source	Top Hit Descriptor
2880	. 19088	32400	04.1	0.0E+00 AJ00	8345.1	NT .	Hamo saptens KVLQT1 gene
2839	19088		1.49	0.0E+00 AJ00	6345.1	NT	Hano sapiens KVLQT1 gene
2906	]			0.0E+00 AI207	916.1	EST_HUMAN	HA2881 Human fetal liver cDNA library Homo septens cDNA
2028		32427		0.0E+00	11416801 NT	1 1	Homo saplens protocadharin beta 2 (PCDHB2), mRNA
5833	19119		1.19	0.0E+00	0.0E+00 BE791173.1	EST_HUMAN	601584032F1 NIH_MGC_7 Homo sepiens cDNA clone IMAGE:3838551 5
5942	19128		1.1	0.0E+00	8943	Į.	Homo sapiens amilicride-sensitive cation channel 1, neuronal (degenerin) (ACCN1), mRNA
5943	19129		124	0.0E+00	0.0E+00 BE560082.1	EST_HUMAN	601345141F1 NIH_MGC_8 Homo sapiens cDNA done IMAGE:3677843 5
5944	19130	32443	2.48	0.0E+00	10048478 NT	IN	Mus musculus aczonin (Acz.), mRNA
			٠			I	Human L-type calcium channel beta-1 subunit (CACNLB1) gene, exon 13B and isoform beta-1B, complete
5945	18131	32444	3.06	0.05+00	0.0E+00 U86861.1	Z	COS
		177.00				į	Human L-type calcium channel beta-1 subunit (CACNLB1) gene, exon 138 and isotom beta-15, complete one.
S 55	19131	32440	2.98	0.0E+00	1	T HUMAN	602036272F1 NCI_CGAP_Bm64 Homo septens cDNA clone IMAGE:4184321 5'
5068	1_	32469		0.05+00	Γ		Homo sapiens calcium channel gamma 5 subunit (CACNG5) gene, exon 4 and complete cds
8999	1			0.0E+00 BE27	Γ	EST HUMAN	601104462F1 NIH_MGC_14 Homo sepiens cDNA done IMAGE:3347463 5"
	1_						hz83d11.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3214581 3' similar to TR:062084 Q62084
5979	19164	32484	1.12	0.0E+00 BE50	BE503096.1	EST_HUMAN	PHOSPHOLIPASE C NEIGHBORING;
5984	19169	32491	209	0.0E+00 BF56	BF569905.1	EST_HUMAN	602185852F1 NIH_MGC_45 Hamo sapiens cDNA clone IMAGE:4310076 5
5883	19174		<del>68</del> 0	0.0E+00	4642.1	EST_HUMAN	2x89d06.s1 Scares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:811883 3*
6021	19204			0.0E+00 AF21		NT	Homo sapiens cadherin 20 (CDH20) mRNA, complete cds
6023	L			0.0E+00 BE82	BE828144.1	EST_HUMAN	RC5-ET0027-210600-022-G10 ET0027 Homo sapiens cDNA
6028	19241	32531	1.19	0.0E+00	0.0E+00 BE968636.1	<b>EST_HUMAN</b>	601645287F1 NIH_MGC_56 Homo sapiens cDNA done IMAGE:3830453 5
6044	19227	32550	0.58	0.0E+00 BE67	BE673986.1	EST_HUMAN	7d72s11.x1 NG_CGAP_Lu24 Homo sepiens cDNA done INAGE:3278540 3' strailer to SW-DAX1_HUMAN. P51943 ORPHAN NUCLEAR RECEPTOR DAX-1. [1];
99			<b>85</b> '0	0.0E+00	0.0E+00 BE673986.1	EST_HUMAN	7d72e11.x1 NG_CGAP_Lu24 Homo sepiens cDNA done IMAGE:3278540 3° similar to SW:DAX1_HUMAN hps1843 ORPHAN NUCLEAR RECEPTOR DAX1. [1];
6048	L			0.0E+00	0.0E+00 AWZ76760.1	EST_HUMAN	xp65f03.x1 NCI_CGAP_OV39 Hamo saplens cDNA clone IMACE:2745245 3° similar to TR.P78335 P78335   GUANYLATE KINASE ASSOCIATED PROTEIN.;
6058	L			0.0E+00	BF031742.1	EST HUMAN	601558060F1 NIH_MGC_58 Homo sapiens cDNA clone IMAGE:3827775 5
6058				0.0E+00	0.0E+00 BF031742.1	EST_HUMAN	601558060F1 NIH_MGC_68 Homo capiens cONA done IMAGE:3827775 5
£w2	1	·			AW470846 1	FST HIMAN	he34d06.x1 NCI_CGAP_Kkt12 Home sepiens cDNA clone IMAGE:2875595 3' similar to TR:Q9Z1N3
6082	1	L	1.80	l	0.0E+00 BF155670.1	EST HUMAN	QV4HT0894-280900-399-a10 HT0894 Homo sepiens cDNA
6082	1	32593			0.0E+00 BF155670.1	EST HUMAN	QV4.HT0894-280900-389-a10 HT0894 Homo sepiens cDNA
				l			hay a

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1852   1864   32002   1.2   0.05-0.0   1.3820.1   1   1   1   1   1   1   1   1   1
19678 33048 0.84 0.0E+00 X92217.1 NT 19691 33065 1.71 0.0E+00 AI889483.1 EST_HUMAN
19704         33076         4.06         0.0E+00         BE283163.1         EST_HUMAN           19704         33077         4.06         0.0E+00         BE283163.1         EST_HUMAN           19735         33114         1.07         0.0E+00         BE887657.1         EST_HUMAN

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Table 4
Single Exon Probes Expressed in Placenta

	Top Hit Descriptor	UI-HF-BL0-aco-h-02-0-UI.r1 NIH_MGC_37 Homo sapiens cDNA clone IMAGE:3059931 5"	UI-HF-BL0-eco-h-02-0-UI.r1 NIH_MGC_37 Homo septens cDNA clone IMAGE:3059931 5'	AV718444 GLC Homo septens dDNA done GLCEHC06 6	601681150F1 NIH_MGC_9 Hamo sapiens cDNA clone IMAGE:3951301 5	601681150F1 NIH_MGC_9 Hamo septems aDNA alone IMAGE:3851301 5	Homo sepiens low voltage-activated T-type calcium charnel alpha 1G splice variant CavT.1a (CACNA1G)	mRNA, complete cds	Homo sepiens tuberin (TSC2) gene, exans 38, 39, 40 and 41	Homo sepiens transformation/transcription domain-associated protein (TRRAP), mRNA	au96th08.y1 Schnedder fetal brain 00004 Homo saplens cDNA clone IMAGE:2784159 & strillar to TR:015390 015390 GT24. [3] TR:043840 TR:043208 ;	aus6in08.y1 Schneider fetal brain 00004 Homo sepiens cDNA clone IMAGE:2784159 5' similar to TR:O15390 O15300 GT24. [3] TR:O43840 TR:O43208;	2b20e08.r1 Scares, fetal Jung Nibf11.19W Homo septens cDNA done IMAGE:302626 6' similar to SW:ZN45_HUMAN Q02388 ZINC FINGER PROTEIN 45;	2b20e06.r1 Scares, fetal Jung NbH1.19W Homo saplens cDNA clone IMAGE:302828 5' similar to SW:2N45_HUMAN Q02386 ZINC FINGER PROTEN 45;	601588371F1 NIH_MGC_7 Hamo sepiens cDNA clane IMAGE:3943504 5	601587561F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3941847 57	QV1-CN0065-140800-318-h02 CN0065 Homo sapiens cDNA	QV1-GN0065-140800-318-h02 GN0065 Homo sapiens cDNA	601512058P1 NIH_MGC_71 Hamo saplens cDNA clone IMAGE:3913311 5	601512058F1 NIH_MGC_71 Hamo sepiens cDNA clone IMAGE:3913311 5	Human antigen CD27 gene, exons 1:-2	Hamo saplens chramosome 21 segment HS21C004	Hamo sepiens chramosome 21 segment HS21C004	Homo sapiens zona pellucida glycoprotein 3A (sparm receptor) (ZP3A), mRNA	#31#11x1 NCL_CGAP_GO8 Homo sapiens dDNA done IMAGE:2242413 3' similar to SW:WNT3_MOUSE PARES WAT 3 DECITE ON CHARGE BECITED DECIDED BY	THE WAY STANT OF THE CASTON.	Hamb septems zinc imger nameadanism proein (ATEFTHA) mixtus, compress cas	UI-HIF-BNO-eme-0-01-0-UI.r1 NIH_MGC_50 Homo sepiens cDNA clone IMAGE::3081217 6	zw52c03.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:773668 5'	601885317F1 NIH_MGC_57 Hano septens cDNA clone IMAGE:4103693 5	QV3-BN0047-300800-278-c06 BN0047 Homo sapiens cDNA
± 65	Database Source	<b>EST_HUMAN</b>	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN		Ę	M	TN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	MT	NiT	NT	ΝŢ	14884111 700	ESI HUMAN	Į.	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
	Top Hit Acessian No.	1W406348.1	1W406348.1	VV719444.1	0.0E+00 BE898340.1	3E898340.1	: :	0.0E+00 AF190860.1	-48546.1	11420658 NT	0.0E+00 AW163840.1	0.0E+00 AW163640.1	W37163.1	W37163.1	0.0E+00 BE794853.1	0.0E+00 BE799873.1	3E767955.1	3E767955.1	3E889813.1	3E889813.1	24493.1	AL163204.2	4L163204.2	E005983 NT		AIG38412.1	32832.1	0.0E+00 AW505430.1	AA434584.1	BF217200.1	BE925875.1
Most Similar	(Top) Hit BLAST E Value	0.0E+00 AW4	0.0E+00 AW4	0.0E+00 AV7	0.0E+00	0.0E+00 BE89		0.0E+00	0.0E+00 L48546.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00 W37	0.0E+00 W37	0.0E+00	0.0E+00	0.0E+00 BE70	0.0E+00 BE7	0.0E+00 BE8	0.0E+00 BE8	0.0E+00 L24	0.0E+00 AL10	0.0E+00 AL16	0.0E+00	00.00	0.0E+00 AIBS			0.0E+00 AA4	0.0E+00 BF2	0.0E+00 BE93
	Expression Signal	1.81	1.81	9.0	0.74	0.74		213	0.64	0.99	3.5	3.5	1.06	1.06	121	5.1	1.38	1.38	6.83	6.83	4.51	2.62	2.62	3.68	,	4.12	1.48	0.82	4.11	1.13	1.63
	ORF SEQ ID NO:	33158	33159	33188				33189	33202		33210	33211	33214	33215	33232	33239	33240	L			83288	33257									33307
1	SEQ ID	19769	Í	<u> </u>		19808		19811	19814	19816	19823	19823	19827	19827	19842	19849	19850	(	1		19863	19868	1	19874	1	- 1	ſ		19893		19912
1	SEO SEO SEO SEO SEO SEO SEO SEO SEO SEO	8908	6099	9640	6649	88		96652	9999	788	25	986	88	888	2888	<u>88</u>	2899	2599	9099	9699	6705	6710	6710	67.18		6729	6722	6735	6737	6751	6756

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Probe E SEQ ID SEQ ID SEG ID S	8	Expression Signal Signal Signal 1.76 0.76 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58		Hit Acession No. 11426788 11426788 111954.1 25628.1 25628.1 11429788 11434.1 11429781 11429781 11429781 11429781 11429781 11429781 11429781 11429781 11429781	Top Hit Source Source Source T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN	Top Hit Descriptor  Homo sepiens solute cerrier family 1 (high effinity aspartate/glubamate transporter), member 6 (SLC1A6), mrRNA  Homo sepiens solute cerrier family 1 (high effinity aspartate/glubamate transporter), member 6 (SLC1A6), high sepiens eclute cerrier family 1 (high effinity aspartate/glubamate transporter), member 6 (SLC1A6), high sepiens eclute cerrier family 1 (high effinity aspartate/glubamate transporter), member 6 (SLC1A6), high sepiens eclute cerrier family 1 (high effinity aspartate/glubamate transporter), member 6 (SLC1A6), high sepiens eclute cerrier family 1 (high effinity aspartate/glubamate to the transporter)  AU125928 NTZRM4 Homo sepiens cDNA PMZ-NN0174-260700-001-h10 NN0174 Homo sepiens cDNA CMC-HITO143-270999-062-408 HT0143 Homo sepiens cDNA RCD-BN0121-260300-032-604 BN0121 Homo sepiens cDNA
				11426758 11426758 111964.1 26528.1 11434.1 11434.1 142363.1 60112.1 60112.1 60112.1	T_HUMAN T_HUMAN T_HUMAN T_HUMAN T_HUMAN	omo sepiens solute certier family 1 (high effinity espartate/glutamate transporter), member 6 (SLC1A6), FANA iomo sepiens colute certier family 1 (high effinity espartate/glutamate transporter), member 8 (SLC1A6), FANA FANA GESCHAXI NCI_CGAP_KG11 Homo sepiens cDNA clone IMAGE:2952126 3' U125928 NTZRM4 Homo sepiens cDNA clone NTZRM4002430 5' WZ-NIN0174-280700-001-h10 NIN0174 Homo sepiens cDNA WZ-NIN0174-280700-001-h10 NIN0174 Homo sepiens cDNA WZ-NIN0174-280700-001-h10 NIN0174 Homo sepiens cDNA CCD-RN0121-280300-032-404 BN0121 Homo sepiens cDNA
1				11426758 311964.1 26528.1 01434.1 01434.1 42363.1 66012.1 66012.1 68131.1	T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN	omo sepiens edute carrier family 1 (High affinity aspartate/glutamate transporter), member 6 (SLC1A6), FRNA g82604.x1 NCI_CGAP_Kd11 Homo sapiens cDNA clone IMAGE:2952126 3' U125928 NT2RM4 Homo sapiens cDNA clone NT2RM4002430 5' N2-NN0174-280700-001-h10 NN0174 Homo sapiens cDNA N2-NN0174-280700-001-h10 NN0174 Homo sapiens cDNA N2-NN0174-280700-001-h10 NN0174 Homo sapiens cDNA N2-NN0174-280700-001-h10 NN0174 Homo sapiens cDNA N2-NN0121-280300-032-404 BN0121 Homo sapiens cDNA
1   1			] ] ] [ ] [ ] [ ] [	26528.1 26528.1 01434.1 01434.1 42363.1 06012.1 06012.1 89131.1	T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN	182604.x1 NCI_CGAP_KG11 Homo sapiens cDNA clone IMAGE:2952128 3' U125928 NT2RM4 Homo sapiens cDNA clone NT2RM4002430 5' M2-NNO174-260700-001-h10 NN0174 Homo sapiens cDNA M2-NNO174-260700-001-h10 NN0174 Homo sapiens cDNA M2-NNO174-260700-001-h10 NN0174 Homo sapiens cDNA M2-NN0171-260390-062-d08 HT0143 Homo sapiens cDNA M2-NN0121-260300-062-404 BN0121 Homo sapiens cDNA
11				26528.1 01434.1 01434.1 42363.1 08012.1 08012.1 88131.1		U125928 NTZRM4 Homo saplens cDNA clone NTZRM4002430 5 NZ-NNO174-280700-001-h10 NN0174 Homo saplens cDNA NZ-NNO174-280700-001-h10 NN0174 Homo saplens cDNA NZ-NNO174-280700-001-h10 NN0174 Homo saplens cDNA NXC-HT0143-Z70899-062-d08 HT0143 Homo saplens cDNA CD-RN0121-280300-032-404 BN0121 Homo saplens cDNA
1				01434.1 01434.1 42383.1 08012.1 08012.1 38131.1		M2-NN0174-260700-001-h10 NN0174 Homo sepiens cDNA M2-NN0174-260700-001-h10 NN0174 Homo sepiens cDNA M0-H10143-270899-062-d08 H10143 Homo sepiens cDNA CD-RN0121-280300-032-404 BN0121 Homo sepiens cDNA
				01434.1 42363.1 06012.1 08012.1 89131.1		M2-NNO174-260700-001-h10 NN0174 Homo sapiens cDNA N/D-HT0143-270899-062-d08 HT0143 Homo sapiens cDNA CD-BN0121-280300-032-404 BN0121 Homo sapiens cDNA
l	Ш			42363.1 06012.1 06012.1 08013.1 35667.1		MC-HT0143-270899-062-d08 HT0143 Homo sapiens cDNA
_			1111	06012.1 06012.1 89131.1 35667.1		(CD-BN0121-280300-032-604 BN0121 Homo sapiens cDNA
l.				06012.1 89131.1 35667.1		
L	20007 33417		l	89131.1 35667.1		R.CD-BN0121-280300-032-e04 BN0121 Homo sepiens cDNA
6876			İ	35667.1	П	PM3-HT0520-230200-002-c08 HT0520 Hamo sepiens cDNA
L			0.0E+00 BF0		EST HUMAN	L.S.GN0032-180900-145-407 GN0032 Homo sapiens cDNA
L	20230 33663		0.0E+00 AA1	90755.1	EST_HUMAN Z	zp88e03.r1 Stratagana HaLa cell e3 937.216 Homo sapiens cDNA clone IMAGE 627.292 5
			0.0E+00 U395	173.1		Human salivary peroxidase mRNA, complete cds
<u> </u>						7849b07x1 NCI_CGAP_GC8 Horno sapiens cDNA clone IMAGE:3222037 3' similer to TR:092285 092285
	20245 33678			71987.1	EST HUMAN T	TEKTIN.;
ட	D253 33689			621.1	EST_HUMAN III	IL3-ST0024-230789-001-B01 ST0024 Hamo septens cDNA
L			1	621.1	EST HUMAN III	IL3-S10024-230789-001-B01 ST0024 Homo sepiens cDNA
6961	20264 33703	3 2.15	0.0E+00	11435828 NT		Homo eapiene CD6 antigen (CD6), mRNA
				2443.1	EST_HUMAN C	DKFZp434D2021_r1 434 (synonym: htes3) Homo septens cDNA clone DKFZp434D2021 6
6964	20192 33618		0.0E+00 X5816	3.1		H. sapiens immunoglobulin heavy chain gene, variable region
						0010d01x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:1565761 3' striffar to
6967	33621	24] 0.92	0.0E+00 AI168270.1			TR-026623 Q26623 TEKTIN C1.;
L	20200 33626		0.0E+00 BE7	34087.1	EST_HUMAN 6	801567370F1 NIH_MGC_21 Homo sapiens cDNA.clone IMAGE:3842080 5
L		1.28			EST_HUMAN 6	601339977F1 NIH_MGC_53 Hamo sepiens aDNA alone IMAGE:3682267 5"
L	18517 31509				EST_HUMAN 6	601443687F1 NIH_MGC_85 Hamo sepiens cDNA clone IMAGE:3847697 5"
L				Γ	EST_HUMAN 6	601443667F1 NIH_MGC_65 Hamo sapiens cDNA clone IMAGE:3847697 6
						TAGRES AT NCI_CGAP_LL24 Homo septens cDNA clone IMAGE:3231581 3' similar to SW:GG85_HUMAN
7004	20140 33558	1.74	0.0E+00 B	0.0E+00 BE550162.1	ESI HUMAN	COSTA COLICINACE
			0000		7 NAMINA TOO	7549f03.xf NCI_CGAP_L1124 Homo sepiens oDNA done IMAGE:3231581 3' similar to SW :GG85_HUMAN Coreate GOI GIN-95 :
_			0.05-100	T	Т	AND HITSETT ARROWS 307-41 HTD877 Hours serviens cDNA
9890	20166 33588			U.UE+UU BFUGGS/Q.1	Т	CAMINITION CONTROLL STATEMENT CONTROL
1	1	1.4	╛	7	ESI HUMAN IZ	CAGOSTI CORRESTATION OF TRAINS SEPTEMBER CANAS VIOLE INVOLUCIONALES

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SEQ Expression (Top) Hit Top Hit Acession (Top) Hit Descriptor  No. Signal BLAST E No. Source	Homo septiens catenin (cadherin-essociated protein), delta 2 (neural plakophilin-related arm-repeat protein)  11.81 0.0E+00 11034810 NT (CTNND2), mRNA	1.11 0.0E+00 11431474 NT	2.69 0.0E+00 BF569905.1 EST_HUMAN	0.68 0.0E+00 4557384NT	2.06 0.0E+00 J03069.1 NT	2.56 0.0E+00 AF217289.1 NT	2.56 0.0E+00(AF217289.1 NT	1.07 0.0E+00 M38113.1 NT	3.59 0.0E+00 11420775 NT	0.7 0.0E+00 BE258708.1 EST_HUMAN		0.62 0.0E+00 AI680911.1 EST_HUMAN		0.62 0.0E+00 A1660911.1 EST_HUMAN	1.21 0.0E+00 AU118478.1 EST_HUMAN	7.52 0.0E+00 BE262941.1 EST_HUMAN	2.72 0.0E+00[Z37878.1 NT	2.72 0.0E+00 Z37978.1 NT	3.01 0.0E+00 AF257737.1 INT	3.01 0.0E+00 AF257737.1 INT	1.28 0.0E+00 AF310105.1 NT	0.61 0.0E+00 BE762770.1  EST_HUMAN	2.56 0.0E+00 BF569905.1  EST_HUMAN	0.78 0.0E+00 AJ404488.1 NT	0.78 0.0E+00 AJ404468.1  NT	3.26 0.0E+00 L01978.1  NT	0.72 0.0E+00 AW502362.1 EST_HUMAN	0.72 0.0E+00 AW502362.1 EST_HUMAN	0.87 0.0E+00 AL038381.1 EST_HUMAN	0.87 0.0E+00 AL038581.1 EST_HUMAN	5.81
ORF SEQ Expres ID NO: Sign		33515		L		33599	33600		31515	31518		31483		31494	31457	31461	31462	31463	31464	31465	31472	33711		33719	33720			33730	33738		33747
Probe Exam SEQ ID SEQ ID NO: NO:	7044 20097		١.	7068 20121	l	1		7084 20178	7095 18522	7009 18526	L	7111 18537	<u> </u>	7111 18537	L	7123 18549	7124 18550	7124 18550	7125 18551	7125 18551	7132 18558	L	L	7144 20279			_	1	H		

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Тор Hit Descriptor	Humen chromosome 18 creatine transporter (SLC6A8) and (CDM) paralogous genes, complete cds	Norel human gene mapping to chomosome 13	20002X1 NCLCGAP_U11 Homo septens cDNA dane IMAGE.2706458 3' similar to TR:094895 094895 KAA0803 PROTEIN;	Homo sapiens mRNA for vascular cedherin-2, complete cds	Homo septens mRNA for vascular cadherin-2, complete cds	AU137738 PLACE1 Hamo sepiens cDNA clane PLACE1007120 5	AU137738 PLACE1 Hamo sepiens cDNA done PLACE1007120 5'	EST366876 MAGE resequences, MAGC Hamo sapiens cDNA	601113958F1 NIH_MGC_16 Hamo sepiens cDNA dane IMAGE:3354568 57	Human type VI sodium channel alpha polypeptide (SCN4A) gene, exon 14	Homo sepiens mRNA for KIAA0488 protein, pertial cds	Homo sepiens mRNA for KIAA0468 protein, pertial cds	AU133213 NT2RP4 Homo sepiens dONA clone NT2RP4001556 5	Homo sepiens membrane protein CH1 (CH1), mRNA	AU143706 Y79AA1 Hamo sepiens cDNA clone Y79AA1002365 5	Homo sepiens netrin 1 (NTN1), mRNA	801431819F1 NIH_MGC_72 Hamo sapiens cDNA clone IMAGE:3917164 51	601431819F1 NIH_MGC_72 Hamo seplens aDNA clane IMAGE:3917184 5'	Homo sepiens keretiin 12 (KRT12) gene, complete cds	Hamo sapiens keratin 12 (KRT12) gene, complete cds	801580948F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3828722 5	601580948F1 NIH_MGC_9 Hamo sepiens cDNA clone IMAGE:3929722 5	Homo sepiens whamin D (1,25-dihydroxywhamin D3) receptor (VDR), mRNA	Homo sapiens witemin D (1,25-dihydraqyvitemin D3) receptor (VDR), mRNA	Homo sepiens voltege-dependent calcium channel alpha 1G subunit isoform ee (CACNA1G) mRNA, complete cds	qc67a07xf Scares_placenta_8tx8weeks_ZNtHP8tx8W Homo sapiens cDNA clone IMAGE:1714644 3' semitar in SW-ARSD_HI IMAN PS1689 ARYI SULFATASE D PRECURSOR contains element HGR	repetitive element;	qc67e07.xf Scares_placents_8tb9weeks_ZNbHP8tb9W Homo sapiens cDNA clone MAGE:1714844.3' similar to SW:ARSD_HUMAN P51689 ARYLSULFATASE D PRECURSOR ;contains element HGR	IEDOUANE ERSTRAIN,
Top Hit Database Source	NT	NT	EST_HUMAN	NT	NT	EST_HUMAN	EST_HUMAN		EST_HUMAN	N	TN	Į,	EST_HUMAN		T_HUMAN		EST_HUMAN	I_HUMAN	NT	FX	EST HUMAN	EST_HUMAN	NIT	NT	Į.		EST_HUMAN		ESI HUMAN
Top Hit Acessian No.		0.0E+00 ALO49784.1	W513069.1	0.0E+00 AB026883.1	0.0E+00 AB026893.1	10137738.1	37738.1	AW954806.1	0.0E+00 BE264103.1		0.0E+00 AB007935.1		4U133213.1	11428081 NT	1370	4758839 NT	0.0E+00 BE891286.1	0.0E+00 BE891286.1	37286.1	37288.1	3E747231.1	3E747231.1	11436699 NT	11436689 NT	0.0E+00 AF227744.1		0.0E+00 AI128344.1		0.0E+00 A 128344.1
Most Similar (Top) Hit BLAST E Vatue	0.0E+00	0.0E+00/	0.0E+00 AW	0.0E+00/	0.0E+00/	0.0E+00 AU1	0.0E+00 AU1	0.0E+00 AW	0.0E+00	0.0E+00 L01973.1	0.0E+00/	0.0E+00 AB0	0.0E+00 AU1	0.0E+00	0.0E+00 AU1	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AF1	0.0E+00 AF1	0.0E+00 BE7	0.0E+00 BE7	0.0E+00	0.0E+00	0.0E+00		0.0E+00		0.05+001
Expression	213	1.15	0.64	0.62	0.62	0.84	0.84	1.16	0.72	F	1.03	1.03	1.47	1.06	2.82	0.71	1.25	1.25	2.43	2.43	0.67	0.67	4.07	4.07	89.0		36.37		36.37
ORF SEQ ID NO:	33752		33606		33791	l	33798	33804	33805	33819			Ì	33857		33864	33872					33902			33927		33962		33963
Exan SEQ ID NO:	20309	1	<u>.                                    </u>	20340	20340	20345	L		20352	20366	20373	20373	20379		L	ı	20411	1	18569				20450	20450	1	l	20484	l	288
Probe SEQ ID NO:	7117	7219	222	7257	7257	7262	7262	288	2269	7283	1282	7287	7227	7313	7319	8282	7329	7329	250	7350	7361	7361	7371	7371	7385		7406		7406

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ORF SEQ Expression (Top) Hit Top Hit Acession Signal BLAST E No. Source	0.74 0.0E+00 AF227135.1 NT	33956 0.74 0.0E+00 AF227135.1  NT	33958 5.41 0.0E+00 11428392 NT	33959 5.41 0.0E+00 11428392 NT	13.11 0.0E+00 BF337375.1 EST_HUMAN	33981 S3 0.0E+00 AA128453.1 EST HUMAN	33967 0.77 0.0E+00 AL079497.1 EST_HUMAN	33968 0.77 0.0E+00/AL078497.1 EST_HUMAN	33980 0.69 0.0E+00 AJZ70998.1 NT	20536 34011 1.13 0.0E+00 BE295499.1  EST_HUMAN  601174576F1 NIH_MGC_17 Homo sepiens dDNA done IMAGE:3529794 5	34012 0.91 0.0E+00 11427965 NT	1.33 0.0E+00 AU118607.1  E9T_HUMAN	05213.1 NT	34016 1.71 0.0E+00[AF005Z13.1 NT	34026 0.83 0.0E+00 AF245505.1 NT	34031 6.47 0.0E+00 X70172.1  NT	0.0E+00 U45448.1 NT	34034 5.81 0.0E+00[U45448.1 NT	34049 0.89 0.0E+00 AW956503.1 EST_HUMAN	34051 2.31 0.0E+00 AWQ50516.1   EST_HUMAN	0.0E+00 AF001643.1 EST_HUMAN	34079 1.03 0.0E+00 AF001543.1  EST_HUMAN .	1.03 0.0E+00 AF001543.1 EST_HUMAN	354.1 · NT	08283.1 EST_HUMAN	1.09 0.0E+00 R87430.1 EST_HUMAN	34129 1.81 0.0E+00 AW238328.1 EST_HUMAN	1.5 0.0E+00 AU117553.1 EST HUMAN	11427135 NT	34168 0.62 0.0E+00 AA211663.1 EST_HUMAN	1 0 F3
0	20486	20486	20488	20488	20491	20488	79,497	20497	20508	20536	20538	20541	20542	20542	20554	20562	20564	20564	20577	20679	20504	20804	20604	20624	20625	20652	20653	20670	20672	1	
Probe SEQ ID NO:	7408	7408	7410	7410	7413	7415	7420	7420	7431	7461	7463	7466	7467	7467	7479	7487	7489	7489	7502	7504	7531	7531	7531	7552	7553	7588	7581	7600	7602	2282	200

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Tap Hit Descriptor		UHIF-BI.0-ebs-d-07-0-UI.r1 NIH_MGC_37 Homo sapiens cDNA clone IMAGE:3057469 6	Homo eaplens zinc finger haneadomain proteth (ATBF1-A) mRNA, complete cds	601889823F1 NIH_MGC_17 Hamo sapiens cDNA done IMAGE-4123948 5	601889823F1 NIH_MGC_17 Hamo sapiens cDNA clone IMAGE:4123948 6	AU118767 HEMBA1 Hano saplens cDNA clone HEMBA1004314 5	cn17db5x1 Normal Human Trabecular Bone Cells Homo sapiens cDNA clone NHTBC_cn17d05 random	cn17d05x1 Normal Human Trabecular Bone Cells Homo saplens cDNA cione NHTBC_cn17d05 random	DKFZp434,1087_r1 434 (synanym: htes3) Hamo sapiens cDNA dane DKFZp434,1087 6	Homo sepiens dynactin 1 (DCTN1) gene, afternafively spliced products, exons 7 through 32 and complete cds	Homo sapiens dynactin 1 (DCTN1) gene, afternatively spliced products, excres 7 through 32 and complete ods	HSU74315 Human chromosome 14 Homo sapiens cDNA clone 1-4	Homo sepiens sema domain, seven firombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A), mRNA	wb17g05.x1 NCI_CGAP_GC8 Horno sepiens cDNA clone IMAGE:2305978 3' similar to TR:O75363 O75363 AIBC1 : ;	wb17g05.x1 NCI_CGAP_GC8 Hamo sepiens cDNA clone IMAGE:2305976 3' similar to TR:07f3383 07f3383 AJBC1.;	Homo saplens transient receptor potential channel 5 (TRPC5), mRNA	za88e05.sr1 Scares fetal_lung_NbHL19W Hamo sepiens cDNA clone IMAGE:239456 S'	601885485F1 NIH_MGC_57 Hamo expiens cDNA clone IMAGE:4103729 5	02185808F1 NIH_MGC_45 Homo sepiens cDNA clone IMAGE:4310266 6	AU120622 NT2RP2 Home septens cDNA clone NTZRP2006913 5	cr42e08x1 Jis bane marrow strama Hamo saplens cDNA clane HBMSC_cr42e093	cr42e09.x1 Jis bane marrow strama Homo sapiens cDNA clane HBMSC_cr42e09.3	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mRNA	AV758487 BM Homo saptens cDNA clone BMFBGG05 5	601563156F1 NIH_MCC_9 Home sapiens cONA clone IMAGE:3947365 5	601562158F1 NIH_MGC_9 Homo capiens dDNA dane IMAGE:3947365 5	Hamo saplens atrophin-1 interacting protein 1; activin receptor interacting protein 1 (IGAA0705), mRNA
Top Hi	-	EST_HUMAN	± Ex	EST_HUMAN 6		EST_HUMAN /	EST_HUMAN	EST_HUMAN o	EST HUMAN	¥ 6	¥	EST_HUMAN		T HUMAN	EST_HUMAN /		EST_HUMAN 2			П		EST_HUMAN		EST_HUMAN	EST_HUMAN	EST HUMAN	
Top Hit Acession	ģ	AW405627.1	382.1	0.0E+00 BF306996.1	0.0E+00 BF30698.1	0.0E+00 AU118767.1	0.0E+00 AI752561.1	0.0E+00 AI752561.1	0.0E+00 AL046347.2	0.0E+00 AF064205.1		U74315.1	11417342 NT	0.0E+00 AI825504.1	AI825504.1	6912735 NT	0.0E+00 N78126.1	0.0E+00 BF217905.1	0.0E+00 BF569862.1	0.0E+00 AU129622.1	AW069274.1	AW069274.1		AV758467.1	0.0E+00 BE739870.1	0.0E+00 BE739870.1	6912461 NT
3	BLAST E Vælue	0.0E+00 AW	0.0E+00 L32	0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U74315.1	0.0E+00	0.0E+00	0.0E+00 AI82	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AW	. 0.0E+00 AW	0.0E+00	0.0E+00 AV7	0.0E+00	0.0E+00	0.0E+00
Expression	Signed	0.67	0.8	8.0	6.0	1.09	4.41	4.41	9.0	1.70	1.78	1.34	-	0.7	0.7	1.87	0.88	6.1	0.62	3.52	0.95	96.0	6.67	0.92	5.78	5.78	0.76
ORF SEQ	Ö Ö	34182	34189			34220	34281	34282												34449	34469	34470	34472	34479		34481	34482
Exam	ġ ġ	20702	20710	20733	20733	20740	20794	20794	L	l _	L		İ	1	1	20025	20929	1				25855	<u>i</u>	<u></u>		l	20975
Probe	9 9 9	7834	7841	7887	7887	7875	7733	77.33	7788	7813	7843	782	7895	7863	7863	7874	77877	7887	9882	7897	791	<b>1</b>	7915	7822	7824	7924	7925

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Top Hit Descriptor	Homo septens atrophin-1 interacting protein 1; activin receptor interacting protein 1 (KIAA0705), mRNA	AU120424 HEMBB1 Hamo sapiens cDNA clone HEMBB1000655 5	AU120424 HEMBB1 Homo seplens oDNA clone HEMBB1000666 6	nab22c04.xt Scares_NSF_F6_9W_OT_PA_P_S1 Homo septens dDNA clone IMAGE:3263214 3' similar to contains element TAR1 repetitive element;	601481713F1 NIH_MGC_88 Homo septens cDNA clone IMAGE:3884258 5	801481713F1 NIH_MGC_68 Hamo septens CDNA clane IMAGE:3884258 5	Homo sapiens psinHaA pseudogene	ap43r05.x1 NCI_CGAP_Co8 Hamo septens dONA clone IMAGE:1925783 3' similar to SW:±VX1_HUMAN P49940 HOMEOBOX EVEN-SKIPPED HOMOLOG PROTEN 1;	22:30ff0_rf Pancreatic Islet Homo saplans cDNA clone IMAGE:338443 5	Homo sepiens similar to ER to nucleus signaling 1 (H. sepiens) (LOCK3433), miKNA	AU117333 HEMBA1 Homo sapiens cDNA clone HEMBA1001175 5	801504084F1 NIH_MGC_71 Hamo sepiens cDNA clane IMAGE:3905733 5	Homo sepiens cystic ffarosts transmembrane conductance regulator, ATP-binding cassette (sub-family C, member 7) (CFTR), mRNA	11 Carrie Processor Annual Carrie Processor Carried Cash Camily C.	FIGURE SECTION TO CETTRE THOSE USES IN THE CONTROLL OF THE SECTION	AU133187 NT2RP4 Homo sapiens cDNA clone NT2RP4001507 5	601885317F1 NIH MGC 57 Hamo sapiens cDNA clone IMAGE:4103893 5	601150347F1 NIH_MGC_19 Hamo sapiens cDNA clone IMAGE:3503050 5	2001c08.r1 Strategene colon (#837204) Homo septens cDNA cione IMAGE: 506410 5	601672310F1 NIH_MGC_20 Hamo sapiens cDNA clane IMAGE:3855131 5	ze33h08.r1 Soares retina N2b4HR Homo saptans cDNA ctone IMAGE:300831 b	601305658F1 NIH MGC_39 Hamo sapiens CDNA clane IMAGE:3633903 b	Human amykold-beta proteih (APP) gene, exxn 11	Human amyloid-beta protein (APP) gene, excn 11	bb34d02,71 NIH_MGC_10 Homo septens cDNA clone IMAGE:2885123 5 similar to TR:064652 064652 P17K2.28:PROTEIN :	bb34402 v1 NIH MGC 10 Homo capiens cDNA clone MAGE 2985123 5' similar to TR:064652 064652	F17K2.28 PROTEIN;	281504.11 Strategene schizo brain S11 Homo sepiens cDNA done INAGE:728719 5' similar to 113,5300482 C300482 POL=REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT);
Top Hit Database Source		EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN			EST_HUMAN	T_HUMAN							EST HUMAN						L HUMAN	NT	NT	EST HIMAN	Т	EST_HUMAN	EST HUMAN
Top Hit Acession No.	2461	0.0E+00 AU120424.1		0.0E+00 BF590287.1				1346148.1	673.1	11425128 NT	17333.1	3963.1	NT SOSSOS	200000	MT 6995995	0.0E+00 AU133187.1	3F217200.1	3E313013.1	0.0E+00 AA149791.1	3F026628.1	4A017021.1	3E736046.1	M34872.1	M34872.1	0 0E100 AW874884 1		AW674581.1	0.0E+00 AA397551.1
Most Similar (Top) Hit BLAST E Velue	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 Y16785.1	0.0E+00 A134	0.0E+00 W52	0.0E+00	0.0E+00 AU1	0.0E+00 BE6	00130	20.0	0.05+00	0.0E+00	0.0E+00 BF2	0.0E+00 BE3	0.0E+00	0.0E+00 BF0	0.0E+00 AA0	0.0E+00 BE7	0.0E+00 M34	0.0E+00 M34	00130	200	0.0E+00 AW	0.0E+00
Expression Signal	0.76	1.05	1.05	12.57	1.86	1.86	0.63	3.86	0.68	0.68	0.59	0.57	Ş	2.5	5.0	0.49	0.69	0.61	1.36	0.72	0.55	2.06	3.19	3.19	9	8.5	0.56	2.07
ORF SEQ ID NO:	34483	34484	34485	34508			34561		١	34585	34588		1	36	34581			34695						L	<u> </u>	305	34805	
SED ID NO:	20976	l	ı	1	1	1	1	l .	1	l	1		l	ADDIZ.	21069		L		1_	<u>.</u>	L	1	١_		<u> </u>	7007	21282	1 1
Probe SEQ ID NO:	5282	7926	9262	7048	7850	200	888	7989	ğ	8002	8003	8004		8018	8018	8037	8083	9608	8768	8121	8135	8183	8/70	8		8200	8200	8207

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Top Hit Descriptor	WFQ-ST0031-081099-003-e11 ST0031 Hamo sepiens aDNA	Homo eaplens mRNA for KIAA0884 protein, partial cds	AU142402 Y78AA1 Hamo sapiens cDNA clane Y78AA1000277 5	601285550F1 NIH_MGC_44 Hamo sapiens cDNA clane IMAGE:3607237 5	601285550F1 NIH_MGC_44 Homo saplens cDNA clone MAGE:3607237 5	Homo sepiens killer cell immunoglobulin-like receptor, two domains, short cytoplesmic tail, 1 (KIR2DS1), mRNA	2805d01.r1 Scares fetal heart NbHH19W Home sapiens cDNA done IMACE:358081 51	2e05d01.r1 Soares_fetal_heart_NbHH19W Home septens cDNA clone IMAGE:358081 67	602153008F1 NIH_MGC_81 Hamo sapiens cDNA clane IMAGE:4294128 5	AU134114 OVARC1 Homo sepiens cDNA clone OVARC1001296 5	602069632F1 NCI_CGAP_Bm64 Homo sapiens cDNA clone IMAGE:4212727 5'	602060632F1 NCI_CGAP_Bm64 Hamo sepiens cDNA clane IMAGE:4212727 5	DKFZp761P092_r1 761 (synonym: hamy2) Homo sapiens cDNA clone DKFZp761P092 5	DKFZp761P092_r1 761 (synonym: hamy2) Homo sapiens cDNA clane DKFZp761P092 5	601486254F1 NIH_MGC_69 Homo sapiens cDNA clone IMAGE:3887773 5	UI-HIF-BNO-BIG-F-01-0-UI_11 NIH_MGC_50 Homo septems cDNA clone IMAGE:3077498 5	augSb08.x1 Schneider fetal brain 00004 Homo septens cDNA clone INAGE:2783789 3" stratter to TR:060463 060463 TYPE-2 PHOSPHATIDIC ACID PHOSPHOHYDROLASE. [1];	xe07d12.x1 Soares_NFL_T_GBC_S1 Homo saplens cONA clone IMAGE:2567639 3' similar to contains	element OFR repetitive element;	Homo sapiens centrosomal protain 2 (CEP2), mRNA	za36d05.r1 Sceres fetal liver splean 1NFLS Homo sapiens cDNA clone IMAGE-294633 5'	601578196F1 NIH_MGC_9 Hamo sapiens aDNA alone IMAGE:3826998 5	601578195F1 NIH_MGC_9 Hamo sapiens cDNA clane IMAGE:3926998 51	Homo sepiens Xq pseudoautosomal region; segment 1/2	Human DNA for centoplasmin, excn 5	qv95c12.x1 NCI_CGAP_LI/2 Homo sapiens cDNA clone MAGE:1989334 3' similer to TR:Q14673 Q14673 CIAA0164 PROTEIN.;	7476a04x1 NCI_CGAP_LLI24 Homo sepiens cDNA done IMACE:3278862 3' similar to TR:096793 096793	STAUFEN PROTEIN.;	WIGOD10.X1 NCI_CGAP_Brit25 Homo sapiens cDNA done IMAGE:2428275 3' similar to SW:COGT_HUMAN P56221 MATRIX METALLOPROTEINASE-14 PRECURSOR;	601334760F1 NIH_MGC_39 Hamo sepiens cDNA done IMAGE:3688655 5
Top Hit Database Source	T HUMAN		EST HUMAN		EST_HUMAN		T HUMAN	Т	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	Г	EST HUMAN	Г	EST_HUMAN		EST_HUMAN		<b>EST_HUMAN</b>	NT	LY	EST HUMAN	T	EST_HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	AW387131.1	B020691.1	0.0E+00 AU142402.1	0.0E+00 BE388421.1	0.0E+00 BE388421.1	TM SECTASE	W95278.1	V95278.1	3F673096.1	0.0E+00 AU134114.1	0.0E+00 BF626534.1	3F525534.1	0.0E+00 AL120124.1	0.0E+00 AL120124.1	3E877693.1	0.0E+00 AW500549.1	0.0E+00 AW157233.1		W072395.1	11421722 NT	0.0E+00 WO1818.1	0.0E+00 BE745597.1	0.0E+00 BE745597.1	JZ71735.1	3450321	0.0E+00 A1367350.1		3E674157.1	0.0E+00 AI885671.1	0.0E+00 BE563650.1
Most Similar (Top) Hit BLAST E Vatus	0.0E+00/	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	007300		0.0E+00 W95	0.0E+00 BF67	0.0E+00	0.0E+00	0.0E+00 BF52	0.0E+00/	0.0E+00/	0.0E+00 BE87	0.0E+00	0.0E+00/		0.0E+00 AWO	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AJZ7	0.0E+00 D450	0.05+00		0.0E+00 BE67	0.0E+00	0.0E+00
Expression Signal	0.85	0.64	6.15	0.86	98'0	9	0.84	0.84	4.11	0.83	96.0	0.95	1.35	1.35	1.16	127	14.12		0.68	1.11	0.57	1.3	1.3	1.13	0.46	0 53		2.23	1.96	1.47
ORF SEQ ID NO:	34812		34814	34818	34819	27000	34835	34836			34853	34854	34886	34887		34656	34962		34084	32002	35005	35007	35008	35022	35043	35060		35073	36075	
Exon SEQ ID NO:	21291	21294			21298		21315	21315	21317	21321	21335				21410	21432	21440		21467	21475	21478	21480	21480	21492	21512	25.64		21543	l	П
Probe SEQ ID NO:	8200	8212	8213	82HB	8248 8248	į	2 2	223	\$238	8239	8253	8253	8285	8285	8288	8351	88.59		8376	<b>8</b>	7688	8339	8399	8411	8431	2450		8462	8464	8477

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Top Hit Descriptor	601334780F1 NIH_MGC_39 Horno saplens cDNA clone INAGE:3688655 5	Homo saplens Chediak-Higashi syndrome 1 (CHS1), mRNA	Homo sapiens Chediak-Higashi syndrome 1 (CHS1), mRNA	zx68102.rl Soares_total_fetus_Nb24F8_9w Homo sapiens dDNA done IMAGE:768619 5 stmlier to TR:G1304132 G1304132 TPRD.;	2x68702.rf Soarse_total_fetus_Nb2HF8_9w Homo sepiens cDNA clone IMAGE:758619 5 similar to TR:G1304132 G1304132 TPRD.;	2/73/908.s1 Scares, bestis_NHT Homo septems cDNA clone IMAGE:727/958 3' straiter to gb:585655 PROHIBITIN (HUMAN);	RC2-FN0094-120600-013-h07 FN0094 Homo saplens cDNA	QV3-DT0045-221289-046-c07 DT0045 Homo saplens cDNA	QV3-DT0046-221299-046-c07 DT0045 Homo sepiems cDNA	601452412F1 NIH_MGC_68 Homo septens cDNA clone IMACE:3856179 6	601452412F1 NIH_MGC_66 Hamo septens cDNA clans IMAGE:3856179 5'	Horno sapiens chramosame 21 segment HS21C009	Homo sepiens chromosome 21 segment HS21C009	wm33e11x1 NG_CGAP_UH Homo septens cDNA domo IMAGE:2437724 3' similar to TR:075457 075457 CTGS (CYTOSOLIC PHOSPHOLIPASE A2-GANIMA.;	ne26410.s1 NCI_CGAP_Cc3 Homo septems dDNA done IMAGE:882269 3' stmiler to TR:01138434	GIISONAS ALIANDISI TAOLIEIN.	FOUR SECURES produced real produced and the second of the second	And 43123851 NIH MGC 72 Home septemble aDNA close IMAGE 3916569 5	2822701.5prime NIH_MGC_7 Hamo septens cDNA clone IMAGE:2822701 67	2822701. Sprime NIH_MGC_7 Homo septens cDNA clone IMAGE:2822701 5"	Horno septens mitogen-activated protein kinase kinase kinase 13 (MAP3K13), mRNA	Homo sepiens mitogen-ectivated protein kinase kinase kinase 13 (MAP3K13), mRNA	Human zinc finger protein (ZNF165), gene, exons 2 and 3	Human zinc finger protein (ZNF165), gene, exons 2 and 3	Human Chediak-Higashi syndrome protein short isoform (LYST) mRNA, complete ods	Homo sapiens NESP55, GNAS1 antisense (partial) and XLaiphas (partial) genes	H. sepiens mRNA for gamma-glutamytransferase	H. sapiens mRNA for gamme-glutamytransferase	H. seplens mRNA for gamma-glutamytransferase
Top Hit Databese Source	EST_HUMAN	77	7	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	IN	EST HUMAN		EST HUMAN	N	EST HIMAN	EST HUMAN	EST_HUMAN	F	NT	IN	NT	H	NT	M	NT	NT.
Top Hit Accession	BE563650.1	11427235 NT	11427235 NT	0.0E+00 AA403192.1			0.0E+00 BE837593.1		0.0E+00 AW384874.1		2588.1	0.0E+00 AL163209.2	0.0E+00 AL163209.2	-		7,004.1	11416/00	7,00.1			4758695 NT	4758695 NT		84.1	44.1	0.0E+00 AJ251760.1	0.0E+00 X98922.1		0.0E+00 X98922.1
Most Similar (Top) Hit BLAST E Vatue	0.05+00	0.0E+00	0.0E+00	0.0€+00/	0.05+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00 BE61	0.0E+00 BE61	0.0E+00	0.0E+00/	0.0E+00 Al884	,	0.0E+00 AA50	0.01-400	0.0E+00 Alba	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U88084.1	0.0E+00 U880	0.0E+00 U847	0.0E+00	0.0E+00	0.0E+00	0,0E+00
Expression	1.47	1.72	1.72	0.84	. 0.84	3.61	0.5	1.34	1.34	1.24	1.24	1.18	1.16	0.93		0.71	0.68	0.92	200	0.61	2.13	2.13	0.61	0.61	0.48	0.7	2.81	281	2.81
ORF SEQ ID NO:	35092	35102			35106		35155					35194	35195			35208		35220	35246							35317	36323		35325
Exen SEQ ID NO:	21558	L_								1	21638	21653	L	L		$\perp$ l		1.	27.740	1_			_	L	L	21784	L	L	
Probe SEQ ID	77,78	8485	8485	8487	8487	8528	8537	8638	8538	8557	8557	8572	8572	858		888	8593	100	8804	9830	8631	88	8835	8635	8697	878	8709	8709	8709

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Problem         Problem         Processor         Top-HI Accordance         Top-HI Accordance <th></th> <th></th> <th></th> <th></th> <th></th> <th>D</th> <th></th> <th></th>						D		
21803         35339         0.76         0.0E+00         UB297B.1         NT           21844         36386         0.81         0.0E+00         AF022855.1         NT           21844         36386         0.81         0.0E+00         AF022855.1         NT           21847         36386         0.81         0.0E+00         AF022855.1         NT           21867         36406         0.084         0.0E+00         AF022855.1         NT           21869         0.64         0.0E+00         AF022852.1         EST HUMAN           21869         1.35         0.0E+00         BF78322.1         EST HUMAN           21860         3.5442         4.15         0.0E+00         BF78322.1         EST HUMAN           21800         3.5446         2.16         0.0E+00         BF78322.1         EST HUMAN           21802         3.5460         1.41         0.0E+00         BF78322.1         EST HUMAN           21802         3.5460         1.41         0.0E+00         BF780166.1         EST HUMAN           21803         3.5460         1.41         0.0E+00         BF780166.1         EST HUMAN           21803         3.5480         2.91         0.0E+00         BF7801	Probe SEQ ID NO:		ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value		Top Hit Database Source	Top Hit Descriptor
21844         36385         0.81         0.0E+00         AF022655.1         NT           21844         36386         0.81         0.0E+00         AF022655.1         NT           21843         36388         0.87         0.0E+00         AU131671.1         EST_HUMAN           21887         35486         0.84         0.0E+00         AW513513.1         EST_HUMAN           21889         0.84         0.0E+00         BE783232.1         EST_HUMAN           21880         1.62         0.0E+00         BE783232.1         EST_HUMAN           21880         1.62         0.0E+00         BE783232.1         EST_HUMAN           21880         1.62         0.0E+00         BE783232.1         EST_HUMAN           21890         3.546         2.16         0.0E+00         BF783232.1         EST_HUMAN           21800         3.5487         2.91         0.0E+00         BF783232.1         EST_HUMAN           21822         3.5480         2.91         0.0E+00         BF783248.1         EST_HUMAN           21823         3.5480         2.91         0.0E+00         BF780165.1         EST_HUMAN           21823         3.5480         2.91         0.0E+00         BF770165.1	8723	ı	1		0.0E+00	378.1	TN	Human immunoglobulin-like transcript-3 mRNA, complete cds
21844         35388         0.81         0.0E+00         AF022655.1         NT           21847         35388         0.67         0.0E+00         AU131671.1         EST_HUMAN           21867         0.64         0.0E+00         AV513513.1         EST_HUMAN           21869         1.35         0.0E+00         BE783232.1         EST_HUMAN           21860         3.5409         1.62         0.0E+00         BE783232.1         EST_HUMAN           21802         3.5442         4.16         0.0E+00         BE783232.1         EST_HUMAN           21802         3.5446         2.16         0.0E+00         BE783232.1         EST_HUMAN           21802         3.5460         1.41         0.0E+00         BE783232.1         EST_HUMAN           21802         3.5461         1.41         0.0E+00         AM13867.1         EST_HUMAN           21802         3.5483         2.16         0.0E+00         AM138673.1         EST_HUMAN           21823         3.5481         2.91         0.0E+00         BF700165.1         EST_HUMAN           21823         3.5483         2.16         0.0E+00         BF700165.1         EST_HUMAN           22042         3.5489         2.91	8785				0.0E+00	22655.1	Z	Homo sapiens cep250 centrosome associated protein mRNA, complete cds
21847         35388         0.67         0.0E+00         AU131671.1         EST_HUMAN           21863         35406         0.64         0.0E+00         AW513513.1         EST_HUMAN           21867         35406         0.64         0.0E+00         BE78232.1         EST_HUMAN           21869         35442         4.15         0.0E+00         BE78232.1         EST_HUMAN           21908         35442         4.15         0.0E+00         BE78232.1         EST_HUMAN           21908         35446         2.16         0.0E+00         BF78246.1         EST_HUMAN           21908         35446         2.16         0.0E+00         BF78466.1         EST_HUMAN           21907         35456         0.6E+00         BF78496.1         EST_HUMAN           21922         35461         1.41         0.0E+00         BF700166.1         EST_HUMAN           21928         35489         2.91         0.0E+00         BF700166.1         EST_HUMAN           21968         35489         2.91         0.0E+00         BF700166.1         EST_HUMAN           22002         35549         2.91         0.0E+00         BF700166.1         EST_HUMAN           22049         2.91         0.	8765				0.0E+00	22655.1	TN	Homo sepiens cep250 centrosome associated protein mRNA, complete cds
21863         35406         0.64         0.0E+00         AW513513.1         EST_HUMAN           21867         1.35         0.0E+00         BE78232.1         EST_HUMAN           21869         1.62         0.0E+00         BE78232.1         EST_HUMAN           21902         35442         4.15         0.0E+00         BE378465.1         EST_HUMAN           21902         35446         2.16         0.0E+00         BF319940.1         EST_HUMAN           21908         35446         2.15         0.0E+00         BF319940.1         EST_HUMAN           21917         35460         1.41         0.0E+00         BF319940.1         EST_HUMAN           21922         35460         1.41         0.0E+00         BF319940.1         EST_HUMAN           21922         35461         1.41         0.0E+00         BF319940.1         EST_HUMAN           21963         35497         2.91         0.0E+00         BF700165.1         EST_HUMAN           21963         35497         2.91         0.0E+00         BF700165.1         EST_HUMAN           22002         35541         0.84         0.0E+00         BF700165.1         EST_HUMAN           22042         3.41         0.0E+00         <	8768	ŀ			0.0E+00		EST_HUMAN	AU131071 NT2RP3 Hamo sepiens cDNA clane NT2RP3003016 5"
21867         1.35         0.0E+00         AW513513.1         EST_HUMAN           21869         0.54         0.0E+00         BE73232.1         EST_HUMAN           21870         35409         1.62         0.0E+00         BE73232.1         EST_HUMAN           21802         35442         4.15         0.0E+00         BE378465.1         EST_HUMAN           21902         35446         2.16         0.0E+00         BF313948.1         EST_HUMAN           21902         35446         1.41         0.0E+00         BF313948.1         EST_HUMAN           21922         35460         1.41         0.0E+00         BF313948.1         EST_HUMAN           21922         35460         1.41         0.0E+00         BF700165.1         EST_HUMAN           21923         35497         2.91         0.0E+00         BF700165.1         EST_HUMAN           21963         35498         2.91         0.0E+00         BF700165.1         EST_HUMAN           22002         35547         2.91         0.0E+00         BF700165.1         EST_HUMAN           22016         35547         3.69         0.0E+00         AA46770.1         EST_HUMAN           22040         35566         3.41	8784	Į			0.0E+00	11426572	TN	Homo sepiens Immunoglobulin superfamily, member 2 (IGSF2), mRNA
21868         0.54         0.0E+00         BE783222.1         EST_HUMAN           21870         35409         1.82         0.0E+00         D52650.1         EST_HUMAN           21902         35446         4.15         0.0E+00         BF318456.1         EST_HUMAN           21908         35446         2.16         0.0E+00         AA410546.1         EST_HUMAN           21910         35456         0.54         0.0E+00         BF313949.1         EST_HUMAN           2192         35461         1.41         0.0E+00         BF313949.1         EST_HUMAN           2192         35461         1.41         0.0E+00         BF700165.1         EST_HUMAN           2192         2.91         0.0E+00         BF700165.1         EST_HUMAN           22002         35546         2.91         0.0E+00         BF700165.1         EST_HUMAN           22016         0.0E+00         BF700165.1         EST_HUMAN           2202         3549         2.91         0.0E+00         AA40770.1         EST_HUMAN           2204         35546         0.0E+00         AA40770.1         EST_HUMAN           2204         35556         3.41         0.0E+00         AA40770.1         EST_HUMAN <td>8788</td> <td>1</td> <td></td> <td></td> <td></td> <td>AW513513.1</td> <td>EST HUMAN</td> <td>xx46e01.x1 NCI_CGAP_UM Hamo sepiens cDNA clone IMAGE:2707032.3' similar to gb:X/14123_cds4 RETROVIRUS-RELATED POL PCLYPROTEIN (HUMAN);</td>	8788	1				AW513513.1	EST HUMAN	xx46e01.x1 NCI_CGAP_UM Hamo sepiens cDNA clone IMAGE:2707032.3' similar to gb:X/14123_cds4 RETROVIRUS-RELATED POL PCLYPROTEIN (HUMAN);
21870         35409         1.62         0.0E+00         D52650.1         EST_HUMAN           21802         35446         4.15         0.0E+00         BE378495.1         EST_HUMAN           21908         35446         2.16         0.0E+00         AA410546.1         EST_HUMAN           21910         1.35         0.0E+00         BF313946.1         EST_HUMAN           21912         35455         0.54         0.0E+00         AN438673.1         EST_HUMAN           21922         35461         1.41         0.0E+00         AN438673.1         EST_HUMAN           21923         35461         1.41         0.0E+00         BF700165.1         EST_HUMAN           21983         35497         2.91         0.0E+00         BF700165.1         EST_HUMAN           21983         35498         2.91         0.0E+00         BF700165.1         EST_HUMAN           22016         35541         0.0E+00         BF700165.1         EST_HUMAN           22016         35542         3.41         0.0E+00         AA40770.1         EST_HUMAN           22016         35543         3.6         0.0E+00         AA40770.1         EST_HUMAN           22040         35556         3.41         0	8790			0.54		BE783232.1	EST HUMAN	601472168F1 NIH_MGC_67 Hamo sapiens aDNA dans IMAGE:3874912 6'
21870         35409         1.02         0.0E+00         DE378765.1         EST_HUMAN           21908         35446         2.16         0.0E+00         BE378466.1         EST_HUMAN           21908         35446         2.16         0.0E+00         BF313948.1         EST_HUMAN           21910         35456         0.05+0         BF313948.1         EST_HUMAN           21922         35460         1.41         0.0E+00         AN139673.1         EST_HUMAN           21922         35487         2.91         0.0E+00         BF700165.1         EST_HUMAN           21923         35487         2.91         0.0E+00         BF700165.1         EST_HUMAN           21924         2.91         0.0E+00         BF700165.1         EST_HUMAN           22002         35548         2.91         0.0E+00         BF700165.1         EST_HUMAN           22004         35547         3.89         0.0E+00         BF700165.1         EST_HUMAN           22015         35556         3.41         0.0E+00         AL449770.1         EST_HUMAN           22040         35583         1.66         0.0E+00         AL449770.1         EST_HUMAN           22042         35686         1.06         <	i	<u> </u>			ļ	7 03003	MANUEL FOR	HUM084C02B Cloritech human fatal brain polyA+ mRNA (#6535) Homo sapiens cDNA clone GEN-084C02
21902         35442         4.19         0.0E+00 RE3/R465.1         EST_HUMAN           21908         35446         2.16         0.0E+00 RA10646.1         EST_HUMAN           21910         1.35         0.0E+00 RP313948.1         EST_HUMAN           21922         35450         0.0E+00 RAV139673.1         EST_HUMAN           21922         35461         1.41         0.0E+00 RP700165.1         EST_HUMAN           21922         35461         1.41         0.0E+00 RP700165.1         EST_HUMAN           21923         35463         2.91         0.0E+00 RP700165.1         EST_HUMAN           21923         35463         2.91         0.0E+00 RP700165.1         EST_HUMAN           22002         35547         2.91         0.0E+00 RP700165.1         EST_HUMAN           22003         35547         3.69         0.0E+00 RP700165.1         EST_HUMAN           22004         35566         3.41         0.0E+00 R+00 RP700165.1         EST_HUMAN           22005         35566         3.41         0.0E+00 R+00 RP700165.1         EST_HUMAN           22040         35566         3.41         0.0E+00 R+00 RP700165.1         EST_HUMAN           22042         35666         3.41         0.0E+00 R+00 RP7001 <t< td=""><td>16/81</td><td></td><td>1</td><td></td><td>0.05+00</td><td>Descent 1</td><td>ESI FICINAN</td><td>201708489851 NIH MCC 44 Home contace CDMA ries IMA CE GRISTO S'</td></t<>	16/81		1		0.05+00	Descent 1	ESI FICINAN	201708489851 NIH MCC 44 Home contace CDMA ries IMA CE GRISTO S'
21808         35446         2.16         0.0E+00 AA410545.1         EST_HUMAN           21810         1.35         0.0E+00 BF313949.1         EST_HUMAN           21817         35455         0.54         0.0E+00 AV139673.1         EST_HUMAN           21822         35460         1.41         0.0E+00 AV139673.1         EST_HUMAN           21822         35461         1.41         0.0E+00 BF700165.1         EST_HUMAN           21922         35461         2.91         0.0E+00 BF700165.1         EST_HUMAN           21983         35497         2.91         0.0E+00 BF700165.1         EST_HUMAN           22002         35498         2.91         0.0E+00 BF700165.1         EST_HUMAN           22003         35540         2.91         0.0E+00 BF700165.1         EST_HUMAN           22004         35541         0.0E+00 AL49770.1         EST_HUMAN           22015         35556         3.41         0.0E+00 AL49770.1         EST_HUMAN           22016         3556         3.41         0.0E+00 AL49770.1         EST_HUMAN           22040         3556         3.41         0.0E+00 AL49770.1         EST_HUMAN           22042         3556         3.41         0.0E+00 AL49770.1         EST_HUMAN <td>8823</td> <td>_  </td> <td>١</td> <td></td> <td>0.0E+00</td> <td>BE378405.1</td> <td>EST HUMAN</td> <td>001200488F1 NIT MGC 44 TOTIO SEPTERS CLIVA GOTE INVOCATIONS OF</td>	8823	_	١		0.0E+00	BE378405.1	EST HUMAN	001200488F1 NIT MGC 44 TOTIO SEPTERS CLIVA GOTE INVOCATIONS OF
21910         1.35         0.0E+00         BF313048.1         EST_HUMAN           21917         35455         0.54         0.0E+00         11424387         NT           21922         35460         1.41         0.0E+00         AW139673.1         EST_HUMAN           21928         35461         1.41         0.0E+00         BP701055.1         EST_HUMAN           21928         35487         2.91         0.0E+00         BF7001055.1         EST_HUMAN           21983         35497         2.91         0.0E+00         BF7001055.1         EST_HUMAN           21983         35496         2.91         0.0E+00         BF7001055.1         EST_HUMAN           22002         35541         0.0E+00         BF7001055.1         EST_HUMAN           22004         35546         0.0E+00         AA9625Z7.1         EST_HUMAN           22015         35556         3.41         0.0E+00         AA9625Z7.1         EST_HUMAN           22016         35556         3.41         0.0E+00         AA9625Z7.1         EST_HUMAN           22042         35566         3.41         0.0E+00         AA9625Z7.1         EST_HUMAN           22042         35566         3.0         0.0E+00 <td< td=""><td>8829</td><td></td><td></td><td></td><td>0.0E+00</td><td>AA410545.1</td><td>EST HUMAN</td><td>z/32e04.r1 Scares ovary tumor NbHO I Hamo sapiens cuiva cione IMAGE:724052 5</td></td<>	8829				0.0E+00	AA410545.1	EST HUMAN	z/32e04.r1 Scares ovary tumor NbHO I Hamo sapiens cuiva cione IMAGE:724052 5
21917         35455         0.54         0.0E+00         11424387         NT           21922         35450         1.41         0.0E+00         AW139673.1         EST HUMAN           21922         35461         1.41         0.0E+00         BAV139673.1         EST HUMAN           21928         35461         1.41         0.0E+00         BF700165.1         EST HUMAN           21983         35487         2.91         0.0E+00         BF700165.1         EST HUMAN           21983         35486         2.91         0.0E+00         BF700165.1         EST HUMAN           22002         35541         0.0E+00         BF700165.1         EST HUMAN           22003         35541         0.0E+00         BF700165.1         EST HUMAN           2201         35541         0.0E+00         AA9625Z7.1         EST HUMAN           2204         35546         3.41         0.0E+00         AA9625Z7.1         EST HUMAN           2204         35556         3.41         0.0E+00         AA9625Z7.1         EST HUMAN           2204         3556         3.41         0.0E+00         AA9625Z7.1         EST HUMAN           2204         3556         1.06         0.0E+00         AA9625Z	8831			1.35	0.0E+00	BF313948.1	EST HUMAN	601900571F1 NIH_MGC_19 Hamo sepiens cDNA clane IMAGE:4120744 57
Z1871         35433         0.05400         AW139673.1         EST HUMAN           Z1922         35460         1.41         0.06400         AW139673.1         EST HUMAN           Z1923         35461         1.41         0.06400         AW139673.1         EST HUMAN           Z1963         35497         2.91         0.06400         BF700165.1         EST HUMAN           Z1963         35497         2.91         0.06400         BF700165.1         EST HUMAN           Z2002         35540         2.91         0.06400         BF700165.1         EST HUMAN           Z2002         35547         3.69         0.06400         BF700165.1         EST HUMAN           Z2004         35556         3.41         0.06400         AA962527.1         EST HUMAN           Z2015         35565         3.41         0.06400         AA962527.1         EST HUMAN           Z2040         35566         3.41         0.06400         AA962527.1         EST HUMAN           Z2042         35566         3.41         0.06400         AA962527.1         EST HUMAN           Z2042         35686         1.06         0.06400         AV149703.1         EST HUMAN           Z2052         35686	1				. Lo			Homo sapiens leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3 // III BRS / HENA
21822         35460         1.41         0.0E+00 AV138673.1         EST_HUMAN           21822         35461         1.41         0.0E+00 AV138673.1         EST_HUMAN           21858         35487         2.16         0.0E+00 BF260272.1         EST_HUMAN           21983         35487         2.91         0.0E+00 BF260272.1         EST_HUMAN           21983         35489         2.91         0.0E+00 BF700165.1         EST_HUMAN           22002         35540         2.91         0.0E+00 BF700165.1         EST_HUMAN           22003         35547         3.69         0.0E+00 AL46770.1         EST_HUMAN           22015         35556         3.41         0.0E+00 AL46770.1         EST_HUMAN           22016         3556         3.41         0.0E+00 AL46770.1         EST_HUMAN           22017         3556         3.41         0.0E+00 AL46770.1         EST_HUMAN           22042         3556         3.41         0.0E+00 AL46770.1         EST_HUMAN           22042         3556         3.41         0.0E+00 AL46773.1         EST_HUMAN           22042         3568         1.0B         0.0E+00 AL46773.1         EST_HUMAN           22052         2.86         0.0E+00 AL4677.1         EST_HU	3	-			U.UE+UD	11424307	I N	THE DESCRIPTION OF THE ALANCE COAD Substitutions and American about the common party of the common party o
21822         35461         1.41         0.0E+00 AW138673.1         EST HUMAN           21858         35487         2.91         0.0E+00 BF700166.1         EST HUMAN           21863         35487         2.91         0.0E+00 BF700166.1         EST HUMAN           21963         35488         2.91         0.0E+00 BF700166.1         EST HUMAN           22002         35541         0.0E+00 BF700168.1         EST HUMAN           22003         35541         0.0E+00 BF700168.1         EST HUMAN           22004         3554         0.0E+00 BF700168.1         EST HUMAN           22015         35556         3.41         0.0E+00 BF700168.1         EST HUMAN           22016         3556         3.41         0.0E+00 BF700168.1         EST HUMAN           22017         3556         3.41         0.0E+00 AA9625Z7.1         EST HUMAN           22042         3556         3.41         0.0E+00 AA97037         IT           22042         3556         1.06         0.0E+00 AA718377.1         EST HUMAN           22042         3560         1.06         0.0E+00 AA718377.1         EST HUMAN           22052         2.86         0.0E+00 AA718377.1         EST HUMAN           22068         35606	8843	1		1.41	0.0E+00	139673.1	EST HUMAN	ULT-HEIT-BOT - TOTO CLOSAT CALC TION SEPTENS CON COME INACCES 17007 3
21858         35483         2.16         0.0E+00         BEZ80272.1         EST_HUMAN           21863         35497         2.91         0.0E+00         BF700165.1         EST_HUMAN           21863         35498         2.91         0.0E+00         BF700165.1         EST_HUMAN           22002         35541         0.84         0.0E+00         BF700165.1         EST_HUMAN           22003         35545         3.69         0.0E+00         AA46770.1         EST_HUMAN           22015         35556         3.41         0.0E+00         AA9625Z7.1         EST_HUMAN           22016         35556         3.41         0.0E+00         10947037         NT           22042         35556         3.41         0.0E+00         10947037         NT           22042         35686         1.06         0.0E+00         10947037         NT           22042         35686         1.09         0.0E+00         AV718377.1         EST_HUMAN           22052         2.86         0.0E+00         AV718377.1         EST_HUMAN           22068         3.6606         1.59         0.0E+00         AV718377.1         EST_HUMAN           22042         35686         0.0E+00 <t< td=""><td>8843</td><td></td><td></td><td>1.41</td><td>0.0E+00</td><td><b>x</b>9873.1</td><td>EST HUMAN</td><td>UH+BIT-ed-6-12-0-U.st NCI CXAP, Subs Homo septems by NA cone INACEZ/1709/3</td></t<>	8843			1.41	0.0E+00	<b>x</b> 9873.1	EST HUMAN	UH+BIT-ed-6-12-0-U.st NCI CXAP, Subs Homo septems by NA cone INACEZ/1709/3
21983         35497         2.91         0.0E+00         BF700165.1         EST HUMAN           21983         35498         2.91         0.0E+00         BF700165.1         EST HUMAN           22002         35547         0.84         0.0E+00         BF700165.1         EST HUMAN           22003         35547         3.69         0.0E+00         AA9625Z7.1         EST HUMAN           22015         35556         3.41         0.0E+00         AA9625Z7.1         EST HUMAN           22040         35583         1.66         0.0E+00         A10947037         NT           22042         35686         1.09         0.0E+00         AV1107.3         NT           22052         35680         0.0E+00         AV71407.3         NT           22052         3.6600         3.12         0.0E+00         AV71407.3         NT           22052         3.6600         3.12         0.0E+00         AV71407.3         EST HUMAN           22052         3.6600         3.12         0.0E+00         AV7718377.1         EST HUMAN           22056         3.6600         0.0E+00         AV734054.1         EST HUMAN           22056         3.6600         0.0E+00         AV4357277.1	8879			2.18	0.0E+00	BE260272.1	EST_HUMAN	601150051F1 NIH_MGC_19 Hamo sapiens CDNA clone IMAGE:3502838 6
21963         3.5488         2.91         0.0E+00         BF700165.1         EST HUMAN           27983         3.5489         2.97         0.0E+00         BF700165.1         EST HUMAN           22002         3.5547         3.69         0.0E+00         AA9625Z7.1         EST HUMAN           22015         3.5556         3.41         0.0E+00         AA9625Z7.1         EST HUMAN           22040         3.5583         1.66         0.0E+00         711107.3         NT           22042         3.5686         1.09         0.0E+00         711107.3         NT           22052         3.5680         0.0E+00         AV714377.1         EST HUMAN           22052         3.6600         0.0E+00         AV718377.1         EST HUMAN           22053         3.6600         3.12         0.0E+00         AV718377.1         EST HUMAN           22054         3.5680         0.0E+00         AV718377.1         EST HUMAN         COE+00           22055         3.6600         0.0E+00         AV718377.1         EST HUMAN         COE+00           22056         3.6600         0.0E+00         AV124051.1         EST HUMAN         COE+00           22142         3.6680         0.0E+00	8884			291	0.0E+00	0165.1	EST HUMAN	602127664F1 NIH_MGC_56 Hamo sepiens aDNA alone IMAGE:4284542 5
27983         35499         2.91         0.0E+00         BF700165:1         EST_HUMAN           22002         35547         3.69         0.0E+00         AA9625Z7:1         EST_HUMAN           22015         35556         3.41         0.0E+00         AA9625Z7:1         EST_HUMAN           22015         35556         3.41         0.0E+00         T0947037         NT           22040         35583         1.66         0.0E+00         Y11107.3         NT           22042         35686         1.09         0.0E+00         REZ78917.1         EST_HUMAN           22052         3.5600         3.12         0.0E+00         AV718377.1         EST_HUMAN           22053         3.6600         3.12         0.0E+00         AV718377.1         EST_HUMAN           22054         3.5600         3.12         0.0E+00         AV718377.1         EST_HUMAN           22055         3.6605         1.59         0.0E+00         AV124051.1         EST_HUMAN           22056         3.6605         0.0E+00         AV124051.1         EST_HUMAN           22142         3.6605         0.0E+00         AV140704.1         EST_HUMAN           22152         3.6606         0.0E+00         AV1	8884	١.			0.0E+00	0165.1	EST_HUMAN	602/27664F1 NIH_MGC_56 Hamo sapiens dDNA done IMAGE:4284542 5
22002         36541         0.084         0.0E+00         AL449770.1         EST HUMAN           22008         3.5547         3.69         0.0E+00         AA962527.1         EST HUMAN           22015         3.5556         3.41         0.0E+00         10947037 NT           22040         3.5583         1.66         0.0E+00         Y11107.3         NT           22042         3.5686         1.09         0.0E+00         Y11107.3         NT           22052         3.5680         0.0E+00         BE278917.1         EST HUMAN           22052         2.86         0.0E+00         AV718377.1         EST HUMAN           22053         3.6600         3.12         0.0E+00         AV337277.1         EST HUMAN           22054         3.5680         3.12         0.0E+00         AV124051.1         EST HUMAN           22042         3.6805         0.0E+00         AV124051.1         EST HUMAN           22142         3.5680         0.0E+00         AV140704.1         EST HUMAN           22152         3.5686         0.0E+00         AV140704.1         EST HUMAN	8884	l			0.0E+00	BF700165.1	EST_HUMAN	602127864F1 NIH_MGC_56 Hamo sapiens dDNA dane IMAGE:4284542 5
22008         35547         3.69         0.0E+00         AA962527.1         EST HUMAN           22015         35556         3.41         0.0E+00         10947037         NT           22040         35583         1.66         0.0E+00         Y11107.3         NT           22042         35686         1.09         0.0E+00         Y11107.3         NT           22052         3.660         2.86         0.0E+00         AV718377.1         EST HUMAN           22053         3.660         3.12         0.0E+00         AV7377.1         EST HUMAN           22054         3.660         3.12         0.0E+00         AV337277.1         EST HUMAN           22046         3.660         3.12         0.0E+00         AV124051.1         EST HUMAN           22047         3.660         0.0E+00         AV124051.1         EST HUMAN           22142         3.660         0.0E+00         AV140704.1         EST HUMAN           22152         3.669         0.0E+00         AV140704.1         EST HUMAN	8923	l			0.0E+00	AL449770.1	EST_HUMAN	AL 449770 Homo sapiens fetal brain (Stavrides GS) Homo sapiens cDNA
22015         35555         3.41         0.0E+00         10847037         INT           22040         35583         3.41         0.0E+00         Y11107.3         INT           22042         35685         1.06         0.0E+00         Y11107.3         INT           22052         3.5685         1.09         0.0E+00         BE278917.1         EST_HUMAN           22053         3.6680         3.12         0.0E+00         AVY18377.1         EST_HUMAN           22056         3.6680         1.59         0.0E+00         AU124051.1         EST_HUMAN           22142         35687         0.98         0.0E+00         AU140704.1         EST_HUMAN           22152         35686         0.08         0.0E+00         AU140704.1         EST_HUMAN	8930			!	0.0E+00	2527.1	EST_HUMAN	or80g02.s/1 NCI_CGAP_Lu5 Hamo sapiens cDNA clone INAGE:16021943' similer to gb:N/36072.60S RIBOSOMAL PROTEIN L7A (HUMAN);
22015         35556         3.41         0.0E+00         10847037         NT           22040         35583         1.65         0.0E+00         Y11107.3         NT           22042         35686         1.09         0.0E+00         BE278917.1         EST HUMAN           22052         2.86         0.0E+00         AV718377.1         EST HUMAN           22058         35600         3.12         0.0E+00         AVX37277.1         EST HUMAN           22042         35605         1.59         0.0E+00         AU124051.1         EST HUMAN           22142         35687         0.98         0.0E+00         AU140704.1         EST HUMAN           22152         35696         0.0E+00         AU140704.1         EST HUMAN	8836			3.41	0.0E+00	10947037	E	Homo seplens ankyrin 1, erythrocytic (ANK1), transcript varient 1, mRNA
22040         35583         1.65         0.0E+00         Y11107.3         NT           22042         35686         1.09         0.0E+00         BE278917.1         EST HUMAN           22052         2.86         0.0E+00         AV718377.1         EST HUMAN           22058         3.5600         3.12         0.0E+00         AV337277.1         EST HUMAN           22056         3.6805         1.59         0.0E+00         AU124051.1         EST HUMAN           22142         35686         0.98         0.0E+00         AU140704.1         EST HUMAN           22152         35686         0.0E+00         AU140704.1         EST HUMAN	8936		<u> </u>		0.0E+00			Homo saplens ankyrin 1, erythrocytic (ANK1), transcript variant 1, mRNA
22042         36686         1.09         0.0E+00         BE278917.1         EST HUMAN           22052         2.86         0.0E+00         AV718377.1         EST HUMAN           22058         3.5600         3.12         0.0E+00         AW337277.1         EST HUMAN           22086         3.5605         1.59         0.0E+00         AU124051.1         EST HUMAN           22142         35687         0.98         0.0E+00         AU140704.1         EST HUMAN           22152         35696         0.0E+00         AU140704.1         EST HUMAN	8961		ļ		0.0E+00	107.3	FX	Homo septens ITGB4 gene for integrin beta 4 subunit, exons 3-41
22062         2.86         0.0E+00         AV718377.1         EST_HUMAN           22068         3.600         3.12         0.0E+00         AW337277.1         EST_HUMAN           22086         3.6805         1.59         0.0E+00         AU124051.1         EST_HUMAN           22142         356867         0.98         0.0E+00         AU140704.1         EST_HUMAN           22152         35686         0.64         0.0E+00         AB007923.1         NT	8983	<u>i</u>			1	BE278917.1	•	601156330F1 NIH_MGC_21 Hamo sepiens dDNA clane IMAGE:3139734 57
22058         3.600         3.12         0.0E+00 AW337277.1         EST_HUMAN           22086         85605         1.59         0.0E+00 AU124051.1         EST_HUMAN           22142         35687         0.98         0.0E+00 AU140704.1         EST_HUMAN           22152         35696         0.64         0.0E+00 AB007923.1         NT	8973	L			١			AV718377 FHTB Hamo sepiens aDNA done FHTBAAF11 5
22065         35605         1.59         0.0E+00 AU124051.1         EST_HUMAN           22142         35687         0.98         0.0E+00 AU140704.1         EST_HUMAN           22152         35696         0.64         0.0E+00 AB007923.1         NT	8080			3.12	_	AW337277.1	EST HUMAN	xw73c07.x1 NCI_CGAP_Per1 Homo sapiens cDNA clone IMAGE:2838644 3' similar to gb:X63587 INTEGR:IN BETA-4 SUBUNIT PRECURSOR (HUMAN);
22142 35687 0.98 0.0E+00 AU140704.1 EST_HUMAN 22152 35696 0.64 0.0E+00 AB007923.1 NT	8388	L	ŀ			4051.1	EST_HUMAN	AU124051 NT2RM2 Homo saplens cDNA clone NT2RM2001575 5
22152 35696 0.64 0.0E+00 AB007923.1  NT	8063					0704.1	EST_HUMAN	ALM40704 PLACE4 Hama sepiens aDNA clone PLACE4000089 5"
	8073		l			7923.1	NT.	Homo sapiens mRNA for KIAA0454 protein, partial cds

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Table 4
Single Exon Probes Expressed in Placenta

					0		
Probe SEQ ID NO:	SEQ ID	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vatue	Top Hit Acessian No.	Top Hit Detabase Source	Top Hit Descriptor
8708	22157	35700	0.68	0.0E+00 R171	32.1	EST_HUMAN	yg09e09.r1 Scares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:31874 5
8706	L	35701		0.0E+00 R171	32.1	EST_HUMAN	yg03e09.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:31874 5
8087	22161	35703	4.78	0.0E+00	0.0E+00 AW592233.1		M48a09_x1 Scares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:29350963'
9082		35704	4.78	0.0E+00	0.0E+00 AW592233.1	EST HUMAN	M48&09_X1 Soares_NFL_T_GBC_S1 Homo septens cDNA clone IMAGE-203609637
9120	L	35751	0.93	0.0E+00 AV71	4764.1	EST_HUMAN	AV714764 DCB Hamo sepiems dDNA clone DCBAUA06 5
9145	L.	35766	3.17	0.0E+00 AL04	0428.1		DKFZp434C1814_s1 434 (synonym: htes3) Homo septens cDNA clone DKFZp434C1814 3
9145	l_	35767	3.17		0.0E+00 AL040428.1	EST_HUMAN	DKFZp434C1814_s1 434 (synonym: htes3) Homo sepiens cDNA done DKFZp434C1814 31
9451	'	35773	1.32	0.0E+00	0.0E+00 AF133901.1	¥	Homo sepiens kilker inhibitory receptor 2-2-1 (KIR221) and kilker inhibitory receptor 2-2-2 (KIR222) genes, partial ods
9	22231	35778				TN	Homo sapiens mRNA for KIAA1512 protein, partial cds
				L			7K29b03.x1 NCI_CGAP_Ov18 Homo sepiens cDNA clone IMAGE:3476692 3' similar to TR:036448 036448
9461	22230		0.61	0.0E+00	0.0E+00 BF058289.1	EST_HUMAN	SGAG.;
9491	22269	32808	2.79	0.0E+00	11422867 NT	NT	Homo sepiens tumor protein p73 (TP73), mRNA
828	22279	35818	1.59	0.0E+00 K012	41.1	IN	Human Ig rearranged H-chain epsilon-3 pseudogene, constant region
8028	L	35828		0.0E+00 AB02	0630.1	NT	Homo sepiens mRNA for KIAA0823 protein, pertial cds
60Z8		35829	6.28	0.0E+00 AB0	20630.1	NT	Homo sapiens mRNA for KIAA0823 protein, partial cds
8214	L	35835	1.84	0.0E+00 AV66	30739.1	EST_HUMAN	AV660739 GLC Hamo septens aDNA done GLCGKG123'
8228	_	35841	3.41	0.0E+00	7706638	TN	Homo sepiens polycystin-L (PKDL), mRNA
8226	L	35846	0.6	0.0E+00 BE79	<b>3326.1</b>	EST_HUMAN	601588304F1 NIH_MGC_7 Hamo sepiens aDNA clone IMAGE:3942553 5
9248	1	35867			5402.1	EST HUMAN	601141118F1 NIH_MGC_9 Hamo sapiens aDNA dane IMAGE:3140740 5
9246	ı	35868			BE315402.1	EST_HUMAN	601141119F1 NIH_MGC_9 Hamo septens aDNA clane IMAGE:3140740 5
9526	l	35883	9.0	0.0E+00 BE6	BE612721.1	EST_HUMAN	601452582F1 NIH_MGC_66 Hamo septens cDNA clane IMAGE:3856100 51
9526	22383	35884	9.0		2721.1	EST_HUMAN	601452562F1 NIH_MGC_66 Homo sepiens cDNA clone IMAGE:3856100 5
6526	22336		0.54	0.0E+00 M88	386.1	Ä	Human polymorphic loci in Xq28
1928 1	22338	35888	1.65		X14766.1	Z.	Human mRNA for GABA-A receptor, alpha 1 subunit
6ZZ8	22355	35905	0.53	0.0E+00 AU1	AU127098.1	EST_HUMAN	AU/127098 NT2RP2 Hamo sepiens CDNA clone NT2RPZ000579 S
9283	22359	35909	0.83	0.0E+00 AIO6	AI081395.1	EST_HUMAN	an29e04.x1 Gessler Wilms turnor Home saplens cDNA clone IMAGE:1700084 3'
					0 0E .00 A 10E4807 4	NAMI ILI TAB	wq34&12.X1 NCL_CGAP_GC8 Homo sepiens dDNA clone INAGE;2473150 3' similar to SW:MGB9_HUMAN CM54&0 MET ANOMA_ASSOCIATED ANTIGEN B3 :
8008	5 6	90919			9058595		Homo sapiene protocadherin alpha 8 (PCDHAB), mRNA
S S S S S S S S S S S S S S S S S S S	1_				AW958311.1	EST HUMAN	EST370381 MAGE resequences, MAGE Hamo sapiens cDNA
843					9835487 NT	Z	Human andogenous retrovirus, complete genome
9328	,	L			Įğ	82.1 EST HUMAN	AU142862 Y79AA1 Homo sapiens cDNA clone Y79AA1000678 5
8344	1					NT	Homo sapiens MAP-kinase activating death domain (MADD), mRNA
	J						

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	•					B EXOLI PIVE	Single Exon Probes Expressed in Praceina
Prabe SEQ ID NO:	SEQUID NO:	ORF SEQ ID NO:	Expression Signal	Most Similer (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
9852	1	36472		0.0E+00 BE7	BE783272.1	EST_HUMAN	601470824F1 NIH_MGC_67 Homo sapiens cDNA clone MAGE:3874037 5"
8862		36473	0.62	0.0E+00 BE7	BE783272.1	EST_HUMAN	601470824F1 NIH_MGC_67 Hamo sapiens cDNA clane IMAGE:3874037 5"
988	22801	36485		0.0E+00	0.0E+00 W50829.1	EST HUMAN	zd16e11.r1 Sogree_fetal_heart_NbHH19W Home sapiens cDNA clone IMAGE:340844 57
1986	1	36486	29'0	0.0E+00 W56	W56629.1	EST HUMAN	zd10er11.r1 Soares fetal heart NbHH19W Homo sapiens cDNA clone IMAGE:340844 5"
9874	ı	36480	0.46	0.0E+00 AF20	38054.1	NT	Homo saplens non-inhibitory killer-cell ig-like receptor KIR (KIR2DSS) mRNA, complete cds
9876	22915		1.04	0.0E+00 AB0:	35356.1	IN	Homo sapiens mRNA for neurexin Halpha protein, complete cds
8878	ı			0.0E+00	0.0E+00 AI124780.1	<b>EST_HUMAN</b>	am56a11.x1 Johnston frontal cortex Homo sapiens cDNA clone IMAGE:1539548 3'
<b>888</b>		38505	3	0.0E+00	1	EST_HUMAN	UHHF-BNO-ekt-0-07-0-ULM NIH_MGC_50 Hamo papiens cDNA done IMAGE:3077364 57
8925	22965	36554	265	0.0E+00 AF00	AF009688.1	NT	Multiple sciences associated retrovirus polyprotein (pd) mPNA, partial cds
89633	22882	36585	2.69	0.0E+00 S784	66.1	IN	AIGF=androgen-Induced growth factor AIGF (human, placenta, Genomic/mRNA, 498 nt, segment 5 of 6)
8968	22892	36586	2.69	0.0E+00 S78	68.1	ᅜ	AIGF=androgen-triduced growth factor AIGF [humen, placenta, Genomic/mRNA, 498 nt, segment 5 of 5]
8956	İ	36591	272	0.0E+00 BE56	BE563320.1	EST_HUMAN	601334603F1 NIH_MGC_39 Homo sepiens cDNA clone IMAGE:3688680 6
9208		39608	1.26		AW363	EST_HUMAN	CM2-CT0311-301199-043-h11 CT0311 Homo sapiens cDNA
2666		36627	0.66		11436432 NT	NT	Homo sapiens multimerin (MMRN), mRNA
8666	23036	38628	0.62	0.0E+00	11424387 NT	EN	Homo sepiens leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3 (LILRBs), mRNA
10007	23045	36638	0.91	0.0E+00 BE2	BE206710.1	EST_HUMAN	bb28c01.x1 NIH_MGC_5 Hamo sapiens cDNA clane IMAGE:2984000 3'
10024	23062		4.48	0.0E+00 AU1	AU132349.1	EST_HUMAN	AU132349 NTZRP3 Homo sepiens cDNA clone NTZRP3004280 5"
10024		38659	4.49	0.0E+00 AU1	AU132349.1	EST_HUMAN	AU132349 NTZRP3 Hamo septems cDNA clane NTZRP3004280 5'
10033	23071	36871	0.95		0.0E+00 AW500936.1	EST_HUMAN	UI-HF-BP0p-air-#05-0-UI.r1 NIH_MGC_51 Homo sapiens cDNA clone IMAGE:3072897 5
10039		36677				EST HUMAN	601595558F1 NIH_MGC_9 Hamo supiens cDNA clane IMAGE:3949383 5'
10039		36678			휣	EST HUMAN	601595558F1 NIH_MGC_9 Hamo sepiens aDNA clane IMAGE:3949383 57
10052	23080	36682	1.56		7882067	LX.	Homo sepiens KiAA0345 gene product (KIAA0345), mRNA
10069		36710		j	2278.1	EST_HUMAN	DKFZp434L0120_r1 434 (syncnym: htes3) Homo sepiens cDNA clone DKFZp434L0120 5
10074		36716		0.0E+00 ALO	AL0410842	EST_HUMAN	DKFZp434B2416_11 434 (synanym: httes3) Homo sapiens cDNA clane DKFZp434B2416 5
10084	1	36723	232		AU132349.1	EST_HUMAN	AU132349 NT2RP3 Hama septens cDNA clone NT2RP3004260 5'
10085		36724	2.16			L.	Homo sepiens protoceatherin alpha 12 (PCDH-alpha12) mRNA, complete cds
10112		36751	2.84		99220.1	Ę	Homo sapiens leucocyte immunoglobulin-like receptor-1 mRNA, complete cds
10112		36752		0.0E+00 AF00		Ę	Homo sapiens feucocyte immunoglobulin-like receptor-1 mRNA, complete ods
10128		36765			0.0E+00 BF092898.1	EST HUMAN	WR4-TN0114-110900-101-c04 TN0114 Homo saplens cDNA
10160		36783		0.0E+00 BE28	BE280793.1	EST_HUMAN	601155227F1 NIH_MGC_21 Hamo sepiens CDNA clone IMAGE:3138788 5
<del>1</del> 489	23208	36799	6.57	0.0E+00	BE388700.1	EST HUMAN	601286351F1 NIH_MGC_44 Homo sepiens CUNA cione IMACE:3013UA5 5

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Top Hit Descriptor	601286351F1 NIH_MGC_44 Homo sapiens cDNA clone INAGE:3813045 5	xn72561 x1 NCI_CGAP_CALL1 Homo sapiens aDNA dane IMAGE:2686977 3' stritier to gb:X02152_cds1 L- LACTATE DEHYDROGENASE M CHAIN (HUMAN);	I kichney II Homo sapiens cDNA 5' end	Zhediak-Higashi syndrome 1 (CHS1), mRNA	GE resequences, MAGH Homo septens cDNA	AA1 Homo sapiens cDNA clone Y784A1002307 6	AA1 Homo sapiens cDNA clone Y78AA1002307 5	Homo sepiens killer cell inhibitory receptor KIRCI gene, exons 2, 3, and 4	HEF like Protein (HEFL), mRNA	HEF IIke Protein (HEFL), mRNA	CE1 Hamo sepiens cDNA dane PLACE1004737 5	CE1 Hamo capiens cDNA clone PLACE1004737 5	Homo sapiens partial RANBP7 gene for RanBP7/Importin7 and partial ZNF143 gene	Homo sepiens partial RANBP7 gene for RanBP7/limportin? and partial ZNF143 gene	Homo sapiens cDNA clone GKCDXA07 5	Homo sepiens cDNA done GKCDXA07 5	Homo sepiens killer cell inhibitory receptor KIRCi gene, exons 2, 3, and 4	zp97h11.r1 Stratagene muscle 837209 Homo sapiens cDNA clone IMACE:628197 6	231101.71 Scares_pregnant_utarus_NtHPU Homo sapiens cDNA done IMAGE:603545 6*	#31101.rf Scares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:500545 5	(IF4 (KIF4) mRNA, complete cds	601491565F1 NIH_MGC_69 Hamo sepiens dDNA clane IMACE:3893667 6	601570712F1 NIH_MGC_21 Hano saplens dNA clone IMAGE:3845403 61	601570712F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3845403 57	RP2 Hamo sepiens aDNA clane NTZRP2001212 6	601645134F1 NIH_MGC_58 Hano sapiens cDNA clone IMAGE:3830177 5	601645134F1 NIH_MGC_56 Homo sapiens cDNA clone IMAGE:3930177 5	601432317F1 NIH_MGC_72 Hamo sepiens cDNA clane IMAGE:3917453 57	rhat T-cells VI Homo sepiens cDNA 5' end	neureidn III (NRXN3) mRNA	601432228F1 NIH_MGC_72 Hano sepiens aDNA clane IMAGE:3917598 5	Homo seplens hypothetical C2H2 zinc finger protein FLt22504 (FL122504), mFNA	mRNA for actin binding protein ABP620, complete cas
Top Hit Descriptor	F1 NIH_MGC_44 Homo sapiens cDNA clone INAGE:3	xn72b01x1 NCI_CGAP_CML1 Hamo sapiens aDNA dane IMAGE LACTATE DEHYDROGENASE M CHAIN (HUMAN);	EST46740 Fetal kichney II Homo sapiens cDNA 5' end	Homo sapiens Chediak-Higashi syndrome 1 (CHS1), mRNA	EST376186 MAGE resequences, MAGH Homo sepiens cDNA	AU143673 Y79AA1 Homo sapiens cDNA clone Y79AA1002307 6	AU143673 Y79AA1 Homo saplens cDNA clone Y79AA1002307 5	ans killer cell inhibitory receptor KIRCI gene, exons 2, 3,	Homo septens HEF like Protein (HERL), mRNA	Homo septens HEF like Protein (HEFL), mRNA	AU136837 PLACE1 Hamo sapiens cDNA dane PLACE1004737 5	AU136837 PLACE1 Homo capiens cDNA done PLACE1004737 5	ans partial RANBP7 gene for RanBP7/Importin7 and pa	ens partial RANBP7 gene for RenBP7/limportin? end pa	AV695712 GKC Homo sapiens cDNA clone GKCDXA07 5'	AV695712 GKC Homo sapiens cDNA clone GKCDXA07 5	ens killer cell inhibitary receptor KIRCI gene, exons 2, 3,	Stratagene muscle 837209 Homo sapiens cDNA clone	Sogres_pregnant_uterus_NbHPU Homo sapiens cDNA	Soares_pregnant_utents_NbHPU Homo sapiens cDNA	Homo eapiens KIF4 (KIF4) mRNA, complete cds	F1 NIH MGC_69 Homo sepiens dDNA clone IMAGE:	F1 NIH MGC_21 Hamo saplens aDNA clane IMAGE:	F1 NIH MGC 21 Hamo sapiens aDNA clane IMAGE:	AU127403 NT2RP2 Hamo sepiens aDNA clane NT2RP2001212 6	F1 NIH_MGC_58 Hamo sapiens cDNA clone IMAGE:	F1 NIH_MGC_56 Homo sapiens cDNA clone IMAGE	F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:	EST182353 Jurkat T-cells VI Homo sepiens cDNA 5' end	Homo sapiens neurexin III (NRXN3) mRNA	IF1 NIH_MGC_72 Hamo sepiens cDNA clane IMAGE:	ens hypothetical C2H2 zinc finger protein FLt22504 (Fl	Homo sepiens mRNA for actin binding protein ABP620, complete cds
	П		Г	Homo sapi				Homo sapi	Homo sapt	Homo sept																			П	Homo sapi	П	Homo sap	Homosap
Top Hit Database Source	EST_HUMAN	EST HUMAN	EST_HUMAN	SINT	EST. HUMAN	EST_HUMAN	EST_HUMAN	NT	INT	INT	<b>EST_HUMAN</b>	EST_HUMAN	Ā	NT	<b>EST_HUMAN</b>	<b>EST_HUMAN</b>	LN.	EST_HUMAN	EST_HUMAN	EST_HUMAN	FX	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	EST HUMAN	EST_HUMAN	7NT	EST_HUMAN	1 NT	LN.
Top Hit Acession No.	BE388700.1	0.0E+00 AW236269.1	AA341305.1	11427235 NT	0.0E+00 AW964113.1	AU143673.1	AU143673.1	AF072408.1	11421001 NT	11421001 NI	AU136637.1	AU130637.1	AJ295844.1	0.0E+00 AJ295844.1	0.0E+00 AV695712.1	0.0E+00 AV695712.1	AF072408.1	AA196387.1	AA131248.1	AA131248.1	AF178308.1	0.0E+00 BE880858.1	BE730772.1	BE7307721	AU127403.1	BE958511.1	BE958511.1	0.0E+00 BE897487.1	AA311624.1	4758827 NT	0.0E+00 BE891113.1		AB029290.1
Most Similar (Top) Hit BLAST E Value	0.0E+00 BE38	0.0E+00	0.0E+00 AA3	0.0E+00	0.0E+00	0.0E+00/AU1	0.0E+00 AU1	0.0E+00 AF07	0.0E+00	0.0E+00	0.0E+00 AU1	0.0E+00 AU1	0.0E+00 AJZ	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AF0	0.0E+00 AA1	0.0E+00 AA1	0.0E+00 AA1	0.0E+00 AF1	0.0E+00	0.0E+00 BE7	0.0E+00 BE7	0.0E+00 AU1	0.0E+00 BE9	0.0E+00 BE9			0.0E+00	0.0E+00	0.0E+00	
Expression Signel	6.57	0.87	0.84	0.69	0.94	5.89	6.99	3.31	275	275	3.07	3.07	S,	7	0.73	0.73	0.72	2.42	0.78	0.76	1.61	68.0	6.34	5.34	0.8	0.89	0.89		0.91	0.65	79.0	77.0	1.56
ORF SEQ ID NO:	3880		L	L	L	L	L			L											L	L				L			L		ŀ		37130
Exan SEQ ID NO:	23206	ļ		23225	23244	23258	23258	23261	_	L	23296	23296	L	L		L		L	1	1_		1	L		L				┖	L	L	L	23521
Probe SEQ (D NO:	19169	10478	10170	10188	10208	10222	10222	10225	10228	10228	10281	<u> L</u>	10277	10277	10282	10282	10288	10290	10317	10317	10359	10404	10417	10417	10422	10432	10432	10450	10480	10461	10473	10475	10486

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Single Exon Probes Expressed in Placenta

Probe E-SEQ ID SEQ ID SEQ 10 SEQ 10 SEQ 10 SEQ 10487 2 10487 2 10484 2	Exam ORF SEQ SEQ ID NO: NO: 23522 37137 23529 37137 23529 37137 23529 37138	F SEQ Expression NO: Signel 37131 0.5 37132 0.5 37135 37138 37138 37138	M	AST E No. Hit Acession Ast E Aelue No. 0.0E+00 BE304622.1 0.0E+00 BE304622.1 0.0E+00 AB006590.1 0.0E+00 AB006590.1	Top Hit Database Source Source EST_HUMAN EST_HUMAN NT NT	Top Hit Descriptor  801105459F1 NIH_MGC_15 Homo septiens cDNA clone IMAGE:2287918 5*  801105459F1 NIH_MGC_15 Homo septiens cDNA clone IMAGE:2287918 5*  Homo septiens mRNA for estrogen receptor beta, complete cds  Homo septiens mRNA for estrogen receptor beta, complete cds  Homo septiens mRNA for estrogen receptor beta, complete cds  Homo septiens mRNA for estrogen receptor beta, complete cds  Homo septiens mRNA for estrogen receptor beta, complete cds
	]	37147 0.77 37148 1.08 37151 4.81 37162 4.81		04457.1 921.1 40331.1		2/19008.s1 Scares, feel Jiver, spicent, 1NFLS, ST Homo septens CDNA Cone iMAGE-430707.3 smiler to gb:M14122_cds1 RETROVIRUS-RELATED GAG POLYPROTEIN (HUMAN); Human befa 1,4-galactosyl-transferase mRNA, complete cds 602037045F1 NCI_CGAP_Birn64 Homo septens CDNA clone IMAGE:4184399 57 602037045F1 NCI_CGAP_Birn64 Homo septens CDNA clone IMAGE:4184399 57 602037045F1 NCI_CGAP_Birn64 Homo septens CDNA clone IMAGE:4184399 57 602037045F1 NCI_CGAP_Birn64 Homo septens CDNA clone IMAGE:4184399 57
				0.0E+00 BE897148.1 0.0E+00 BE897149.1 0.0E+00 AI831818.1 0.0E+00 AI831818.1	EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN	601439/13F1 NIH_MGC_72 Hamb septents d.N.H. dione IMAGE.3824576 5 601439713F1 NIH_MGC_72 Hamb septents d.N.H. dione IMAGE.3824578 5 wa36e03.x1 NCI_CGAP_Ki411 Homo septents d.N.H. dione IMAGE.2300188 3° similar to TR-061204 C61204 NOTCH2-LIKE; wa36e03.x1 NCI_CGAP_Ki411 Homo septents d.N.H. dione IMAGE.2300188 3° similar to TR-061204 C61204 NOTCH2-LIKE;
	23672 37 23672 37 23678 37 23702 37	37262 1.64 37282 0.67 37288 0.48 37312 2.22 1.71		0.0E+00 T03078.1 ES 0.0E+00 AU122428.1 ES 0.0E+00 G005821 NT 0.0E+00 BF436218.1 ES 0.0E+00 AV654765.1 ES	T HUMAN T HUMAN T HUMAN	FB23A4 Fetal brain, Stratagene Homo sapiens cDNA clone FB23A4 3'end AU122429 MAMMA1 Homo sepiens cDNA clone MAMMA1002368 6' Homo sapiens triple functional domain (PTPRF interacting) (TRIO), mRNA hab45e12.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sepiens cDNA clone IMAGE:3266271 3' AV654766 GLC Homo sepiens cDNA clone GLCD2C07 3'
_		37328 3.08 37332 2.88 37348 0.62 37378 0.52 37379 3.35		14213.1 11436005 383.1 81742.1	T. HUMAN T. HUMAN T. HUMAN	xu74b01 x1 NCI_CGAP_Kld8 Homo sapiens cDNA clone IMAGE:2807401 3' similar to gb:M69066 MOESIN (HUMAN); (HUMAN); 601078764F1 NIH_MGC_12 Homo sapiens cDNA clone IMAGE:3484703 6' Homo sapiens hypothetical protein DKFZp761P1010 (DKFZp761P1010), mRNA H. sapiens mRNA for NK receptor (183 Acti) 601467419F1 NIH_MGC_67 Homo sapiens cDNA clone IMAGE:3870700 6'
10758 22 10758 22 10772 22 10779 22 10779 22 10784 22	23781 37 23781 37 23787 37 23805 37 23812 37 23812 37 23817 37 23817 37	37409         2.32           37410         2.32           37417         0.67           37428         0.77           37435         9.15           37436         8.15           37439         0.63           37440         0.63	2 0.0E+00 BE08 2 0.0E+00 BE08 7 0.0E+00 Y080C 7 0.0E+00 AK55 5 0.0E+00 BE74 5 0.0E+00 BE74 5 0.0E+00 BE61 3 0.0E+00 BE61	2720.1 2720.1 32.1 32.15.1 32.15.1 7655.1	EST_HUMAN NT EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN EST_HUMAN	RCZ-BT0642-150200-012-dX3 BT0642 Homo sepiens cDNA           RCZ-BT0642-150200-012-dX3 BT0642 Homo sepiens cDNA           Human endogenous retroutus-K, LTR U5 and gag gene           ### MCZ-BT000 Sepiens cDNA clone IMAGE:2244612 3*           #### MCC 9 Homo sepiens cDNA clone IMAGE:3835198 5*           801573895F1 NIH_MGC 9 Homo sepiens cDNA clone IMAGE:3845965 3*           8014772271 NIH_MGC 65 Homo sepiens cDNA clone IMAGE:3845965 3*           80144172271 NIH_MGC 65 Homo sepiens cDNA clone IMAGE:3845968 3*

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SEQ ID	SEQ ID	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
40788	23840	37442	0.46	0.0E+00 AB00	6500.1	F	Hamp septiens mRNA for estrogen receptor beta, complete ods
4078	L			0.0E+00 AB00	6590.1		Homo septions mRNA for estrogen receptor beta, complete cds
10800	┸			0.0E+00	18	T HUMAN	yp01at10.r1 Soares breast 3NbHBst Hamo sapiens cDNA clone IMAGE:186138 5
10835	L			0.0E+00		N F	Homo sapiens DNA for amyloid precursor protein, complete cds
10846	L			0.0E+00	<u></u>	EST_HUMAN	601308167F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3028128 5
10863	L			0.0E+00 AU12		EST_HUMAN	AU125898 NT2RM4 Homo, sapiens cDNA clone NT2RM4002538 5
10872	L			0.0E+00 AV71	1075.1	EST_HUMAN	AV711075 Cu Homo saplens cDNA done CuAAKG05 5
10872				0.0E+00 AV71	1075.1	EST_HUMAN	AV711075 Qu Hamo septens cDNA clone CuAAKG05 5
10874	L			0.0E+00		EST_HUMAN	RC3-ST0197-120200-015-e03 ST0197 Homo septems cDNA
10882	L	37595	5.5	0.0E+00	0.0E+00 AW963563.1	EST_HUMAN	EST375636 MAGE resequences, MAGH Homo sapiens cDNA
10895				0.0E+00	11431124 NT	NT	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mRNA
10895	L		252	0.0E+00	11431124 NT	K	Homo saplens ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mRNA
40808	<u>i</u>			0.05+00	0.0E+00 AW057621.1	EST HUMAN	wy61f09.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo capiens cDNA clone IMAGE:2553065 3' shriller to TR:Q60568 Q60568 VDX;
							TCAAP3D0917 Pediatric acuts myelogenous leukemia cell (FAB M1) Baykor-HGSC projecte-TCAA Homo
10908	23989	37821	8.59	0.0E+00 BE24	BE243270.1	EST HUMAN	sapiens culva ciacie i Cavaros I
40003	l	ocas.	04.0	O DEACO A IBS	A 18522739 4	FST HUMAN	w628a12.x1 NCI_CGAP_GC8 Hamo septens cDNA clone IMAGE:2306974 3 Similar to contains element. MSR1 MSR1 repetitive element :
3	2007						**PSe-12 x1 NCI CGAP GCS Home serviers CINA clone IMAGE:2306974 3' similar to contains element
10907	23000	37623	272	0.0E+00	0.0E+00 Al852239.1	EST HUMAN	MSR1 MSR1 repetitive etement;
10012		l		0.0E+00	0.0E+00 BF306842.1	EST HUMAN	601888704F1 NIH_MGC_17 Hamo septens cDNA clane IMAGE:4122649 6"
10913	1_	ļ		0.0E+00	0.0E+00 BE872908.1	EST_HUMAN	601451502F1 NIH_MGC_65 Homo saplens dDNA clone IMAGE:3855289 5
10913	1_		1.74	0.0E+00 BE87	BE872908.1	<b>EST_HUMAN</b>	601451502F1 NIH_MGC_85 Homo sepiens cDNA clone IMAGE:3855289 5
10920	L	Ĺ	3.59	0.0E+00	11545911	Ŋ	Hamo sapiens NOD2 protein (NOD2), mRNA
10920		37638		0.0E+00	11545911 NT	NT	Homo septens NOD2 protein (NOD2), mRNA
10936	Ĺ		1.52		0.0E+00 AW404795.1	EST_HUMAN	UI-HF-BL0-ecm-d-04-0-UI.r1 NIH_MGC_37 Homo sepiens cDNA done IMAGE:30559835 6
10940	1_	37656	2.85	00+30°0	11424829 NT	Ę	Homo sapiens hypothetical protein FLJ20079 (FLJ20079), mRNA
1994			8.39	0.0E+00		Ы	Homo sepiens 5-hydrocytryptamine (serobnin) receptor 1E (HTR1E) mRNA
<u>\$</u>	1_			0.0E+00	4504536 NT	¥	Homo sepiens 5-hydroxyetyptamine (serotomin) receptor 1E (HTR1E) miRNA
10942	L		2.68	0.0E+00 Al99	Al991827.1	EST HUMAN	w.82b08.x1 Sogres, Dieckgraafe, colon, NHCD Homo sapiens cDNA cione IMAGE 20x1710 3
10946	L		3.22		BE882109.1	EST HUMAN	601505204F2 NIH_MGC_71 Hamo sepiens dDNA alone IMAGE:3908865 5
10950		37667			BE89163	EST_HUMAN	601434522F1 NIH MGC_72 Hamo sapiens cunna care image: 3919039 3
10952						뒫	Homo sapiens myosin, heavy polypeptide 2, skeletral muscie, eduit (MYHZ), mirthA
10952	24034	37669	1.65	0.05+00	8823839 NT	E	Homo sapiens mydsin, neawy potypopadia 2, skoleda muscie, adur (MTriz), minny.
į							

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Top Hit Descriptor		601186342F1 NIH_MGC_8 Hamo septens cDNA clane IMAGE:3544259 5	AU118386 HEMBA1 Homo saplens cDNA clone HEMBA1003486 5	xn72b01.x1 NCI_CGAP_CML1 Homo sepiens cDNA done IMAGE:2696977 3' similar to gb:X02152_cds1 L- LACTATE DEHYDROGENASE M GHAIN (HUMAN);	q43c03.x1 Scares_testis_NFT Homo saplens cDNA clone IMAGE:1752772.3"	qr43c03.x1 Scares_testis_N+T Homo saplens cDNA clone IMAGE:1752772.3'	QV4-ST0234-121199-032-b08 ST0234 Homo sepiens dDNA	AU116908 HEMBA1 Hamo septens cDNA clane HEMBA1000255 5	Homo sapiens Insulin receptor (INSR), mRNA	qv85c12.x1 NCI_CGAP_U2 Homo sapiens αDNA done MAGE:1988334 3' similar to TR:Q14673 Q14673 KIAA0164 PROTEIN.;	qr65c12x1 NCI_CGAP_Ut2 Homo septiens cDNA clone MAGE:1989334 3' similar to TR:014673 Q14673	KIAA0184 PROTEIN.;	602037014F1 NCI_CGAP_Brid4 Homo eaplens dDNA clone IMACE::4184679 6	601148357F1 NIH_MGC_19 Hano saplens cDNA clone IMAGE:3163310 5	Homo sapiens mRNA for KIAA1117 protein, partial cds	Homo sepiens mRNA for KIAA0463 protein, partial cds	Human protein kinasa C substrate 80K-H (PRKCSH) gene, excn 15-17	RC1-FT0134-170700-012-f07 FT0134 Homo sapiens oDNA	RCI-FT0134-170700-012-f07 FT0134 Hamo sepiens cDNA	obs2e07.s1 NCI_CGAP_Kd5 Homo seplens cDNA done IMAGE:1325412.3' similar to contains element	Unest contains transferrable perfective meterals (SLAM) cans. even 2	COLLOCATION SIGNATURE OF THE PROPERTY OF THE P	NOTIFICATION OF THE SERVICE CATALOGUE STATES OF THE SERVICE OF THE	601182/48-1 NIH MGC / HOTIO SEPTERS CLIVA CLORE IMAGE: SUSSION O	CO5089 Human heart cDNA (YNJAKamura) Homo sapiens CUNA come SWHC4017	OREGIOTATING COAP GOET Hamp Septems COMA GOTO IMAGETTOWNUS O	0856h01.r1 NCI_CGAP_GCB1 Hamo sapiens cDNA dane IMAGE:1309009 5	EST00596 Fetal brain, Stratagene (cat#836206) Homo sapiens cDNA clone HFBCC26	EST00596 Fetal brain, Stratagene (oat#836206) Homo capiens aDNA done HFBCX226	QV2-HT0698-020800-295-d07 HT0698 Homo sapiens cDNA	DKFZp781J2116_r1 761 (synonym: hamy2) Homo sapiens cDNA cione DKF-2p761J2716 3	601336530F1 NIH MGC 44 Homo sapiens clayla clone IMACE:3380390 b	AU116988 HEMBA1 Homo sapiens cuiva done filmiba i uvaza o
Top Hit Database			EST_HUMAN	EST_HUMAN	Г	ŀ	Г	П		EST_HUMAN		EST_HUMAN	EST_HUMAN	EST HUMAN	IN	NT	M	EST HUMAN	EST_HUMAN	100	THOMPS I SEE	12	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.		3E269288.1	\U118386.1	0.0E+00 AWZ36269.1	0.0E+00[AI149809.1	0.0E+00 AI149809.1	0.0E+00 AW391837.1	0.0E+00 AU116908.1	11424728 NT	0.0E+00 AI367350.1		0.0E+00 At367350.1	3F340308.1	3E261209.1	4B029040.1	4B007932.1	J60326.1	3E773036.1	BE773036.1	,	0.0E+00 AA/40/82.1	0.0E+00 AF252303.1	0.0E+00 BE266478.1	0.0E+00 BE268478.1	0.0E+00 C05089.1	AA746375.1	AA746375:1	0.0E+00 M78448.1	0.0E+00 M78448.1	BF353625.1	AL157608.1	BE562822.1	AU116988.1
Most Similar (Top) Hit BLAST E	Value	0.0E+00 BE26	0.0E+00 AU11	0.0E+00/	0.0E+00/	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00 BF3	0.0E+00 BE2	0.0E+00 AB0	0.0E+00 ABO	0.0E+00 U50:	0.0E+00 BE7	0.0E+00 BE7		0.01=400	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AA7	0.0E+00 AA7	00+30.0	0.0E+00	0.0E+00 BF3			0.0E+00 AU1
Expression Signal		1.45	7.93	1.01	571	6.71	263	11.83	9.67	214		214	1.63	13.91				243	2.43		51.22	281	1.71	1.71	4.9	21			2.69	1.76	6.5	1.86	6.05
ORF SEQ ID NO:		37814			37820				37827		1	37829	37835	37837		L		L													37831		37942
Exan SEQ ID	S	24180		l	24188	24188	24189	24199	L	1	1	24204	24209	24211	24216	24219	24222	1	<u> </u>	<u> </u>	24248	24256	24268		1	24277	1		L		L	١	24305
Probe SEQ ID	ë Ž	11108	11110	1411	11118	4448	11117	11127	11130	11132		11132	11137	11139	11144	11147	11151	11165	11155		1117	11186	11189	11199	11201	11208	11208	11218	11218	11221	11222	11234	11236

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	Top Hit Descriptor	AV693656 GKC Hamo saplens aDNA clane GKCCNC03 57	IL3-NT0104-200500-143-A07 NT0104 Homo saplens cDNA	PMC-HT0845-060600-002-E05 HT0645 Home sepiens cDNA	PMO-HT0845-060500-002-E05 HT0645 Hamo saplens cDNA	AV701152 ADA Homo sapiens cDNA clone ADAAAD06 5"	601439092F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3924142 5	UI-HF-BNO-akg-d-02-0-UI-11 NIH MGC_50 Hamo sepiens cDNA clane INACE:3077019 5	UHHF-BNO-ekg-4-02-0-UJJ NIH_MGC_50 Hamo septems aDNA done IMAGE:3077019 6	bb78c04,71 NIH_MGC_10 Homo eaplens dDNA done INAGE:3048489 5' stmiler to gb:Y00345_cds1 POLYADENYLATE-BINDING PROTEIN (HUMAN); gb:X65653 M.musculus mFNA for poly(A) binding	protein (MOUSE);	WRA-ST0118-041099-010-A12 ST0118 Homo saplens cDNA	WR4-ST0118-041009-010-A12-ST0118 Homo capiens cDNA	601440446F1 NIH_MGC_72 Homo septens cONA clone IMACE:3825403 5	ao88g11.x1 Schiller meningioma Homo sapiens cDNA cione IMAGE:1952804.3*	ao86g11.x1 Schiller meningloma Homo sapiens cDNA clone IMAGE:1952804.3'	DKFZp434L0120_r1 434 (syncnym: htes3) Homo sapiens cDNA clone DKFZp434L0120 5	OUBTED X1 NCY_COAP_BY Homo sepiens CONA clone INACE: 1632295 3' similar to SW1LRP1_HUMAN Q07954 LOW-DENSITY LIPOPROTEIN RECEPTOR-RELATED PROTEIN 1 PRECURSOR;	ou61d04x1 NCY_CGAP_B72 Homo sepiens cONA clone IMAGE:18322953' similar to SW1LRP1_HUMAN Q07954 LOW-DENSITY LIPOPROTEIN RECEPTOR-RELATED PROTEIN 1 PRECURSOR;	ou81d04x1 NCI_CGAP_BR2 Hamo sepiens cDNA clane IMAGE:1632285 3° similar to SW1.RP1_HUMAN Q07954 LOW-DENSITY LIPOPROTEIN RECEPTOR-RELATED PROTEIN 1 PRECURSOR;	Homo seplens neuredn III (NRXN3) mRNA	801870902F1 NIH_MGC_19 Hamo sapiens cDNA clane IMAGE:4101433 5	UI-H-BI2-ege-h-01-0-UI.s1 NCI_CGAP_Sub4 Homo sapiens cDNA clone IMAGE:27243123'	Homo eaplens mRNA for KIAA0717 protein, partial cds	Homo sapiens mRNA for KIAA0717 protein, partial cds	ba0407,71 NIH_MGC_7 Homo seplens cDNA clone IMAGE-2823373 5' similier to TR:O76022 076022 E1B. 55KDA-ASSOCIATED PROTEIN.;
	Top Hit Detabase Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	LN.	EST HUMAN	EST HUMAN	PA.	TN	EST_HUMAN
\   	Top Hit Acession No.	4V693656.1	0.0E+00 BF366553.1	0.0E+00 BE182360.1	0.0E+00 BE182360.1	0.0E+00 AV7011521	0.0E+00 BE898423.1	0.0E+00 AW500307.1	0.0E+00 AW500307.1		3E018293.1	0.0E+00 AW387766.1	0.0E+00 AW387768.1	0.0E+00 BE897853.1	0.0E+00 AH59545.1	0.0E+00 AI469545.1	0.0E+00 AL042Z78.1	0.0E+00 Al073917.1	0.0E+00 Al073917.1	0.0E+00 Al073917.1	4758827 NT	0.0E+00 BF208561.1	0.0E+00 AW207734.1	AB018260.1	8260.1	BE208846.1
	Most Similar (Top) Hit BLAST E Value	0.0E+00 AV69	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00 BEO	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AB01	0.0E+00 AB01	0.0E+00 BE20
	Expression Signal	1.75	2.97	24	24	1.51	3.02	1.83	1.83		2.49	1.45	1.45	323	224	2.24	1.89	1.37	1.37	1.37	3.8	24.41	11.85	3.93	3.93	268
	ORF SEQ ID NO:	37959		37894	}		38011		38020	l	38023	38058	38059		38073		38087	38112		38114	L	L			38142	38144
	Econ SEQ ID NO:	24319			I_	$\mathbf{L}_{-}$	J_	24375	24375		24378	26869	25869	24415			24430	L	L	24451					L	I I
	Probe SEQ ID NO:	11250	11280	11288	11288	11280	11305	11311	11311		11314	11345	11345	11353	11355	11355	11369	11390	11380	11390	11404	11405	11411	11416	11418	11418

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Γ		8	٦		7	J	٦	7	J			٦	$\neg$	T	7	7	7	$\neg$	٦	-]	J	Ţ	Ţ	1	T	J	J	Ţ	7		
	Top Hit Descriptor	be0407.y1 NIH_MGC_7 Hamo sapiens cDNA clare IMAGE:2823373 5' similer to TR:O76022 076022 E1B 558DA-ASSOCIATED PROTEIN . :	Homo sapiens KIAA0426 gene product (KIAA0426), mRNA	ow6g07.xt Soares_testis_NHT Homo septens cDNA done IMAGE:1840412.3° straiter to TR-Q14507 Q14507 EPIDIDYMIS-SPECIFIC GENE PRODUCT, ALPHA.;	Homo saptens myosin, heavy polypeptide 4, skeletal muscle (MYH4), mRNA	QV0-UM0091-120900-385-b12 UM0091 Homo saplens cDNA	Homo sapiens zinc finger homeodomain protein (ATBF1-A) mRNA, complete cds	RC3-HT0230-040500-110-h04 HT0230 Homo sapiens cDNA	RC3-HT0230-040500-110-h04 HT0230 Homo sepiens cDNA	ba54d08,y3 NIH_MGC_10 Hamo sapiens cDNA clone IMAGE:2300367 5' similar to TR:060275 060275 KIAA0522 PROTEIN ;	ba54d08,y3 NIH_MGC_10 Homo sapiens cDNA done IMAGE:2300367 5' similar to TR:060275 060275	KIAA0522 PROTEIN;	UFH-BI4-ack-b-10-0-UI.s1 NCI_CGAP_Sub8 Homo sapiens cDNA clone IMAGE:3085026 3*	UHH-BI4-adic-b-10-0-UI.s1 NCI_CGAP_Sub8 Homo sapiens dDNA done IMAGE:3085026 3*	AU135170 PLACE1 Homo sapiens cDNA clone PLACE1001381 5'	602132459F1 NIH_MGC_81 Hamo sepiens cDNA clone IMAGE:4271630 5	60Z13Z459F1 NIH_MGC_81 Homo sepiens cDNA clone IMAGE:4Z71630 5	601488828F1 NIH_MGC_69 Hamo sapiens cDNA dane IMAGE:3889207 5	601486828F1 NIH_MGC_69 Homo sepiens aDNA done IMAGE:3889207 6	Human mRNA for KIAA0241 gene, partial cds	601875630F1 NIH_MGC_55 Hamo sapiens cDNA clone IMAGE:4099710 5	Homo sapiens mRNA for KIAA1316 protein, partial cds	Homo sapiens mRNA for KIAA1316 protein, partial cds	Homo sapiens retinoblestoma-like 2 (p130) (RBL2), mRNA	Homo sapiens retinoblastoma-like 2 (p130) (RBL2), mRNA	Homo sapiens eukaryotic translation initiation factor 6A (EIF5A) mRNA	602134132F1 NIH_MGC_81 Hamo sapiens oDNA done IMAGE:4289502 5	dr04g05.x1 NIH_MGC_3 Homo sepiens cDNA done INAGE2847177 5	Human gamma actin-like pseudogene, complete cds	wf20e11.x1 Scares_Discignacfe_colon_NHUC Homo sepiens cDNA clone IMAGE:2351180 3' similar to dx:N87789 IG GAMMA-1 CHAIN C REGION (HUMAN);	601889623F1 NIH_MGC_17 Home septens cDNA done IMAGE:4123948 57
	Top Hitt Database Source	EST_HUMAN	TN	EST_HUMAN	NT.	EST_HUMAN	TN	EST_HUMAN	EST_HUMAN	EST HUMAN		EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	NT	EST_HUMAN	NT	TN	IN	TN	NT	EST_HUMAN	EST_HUMAN	LN LN	EST_HUMAN	EST_HUMAN
	Top Hit Acession No.	846.1	11526409 NT	0.0E+00 AI075915.1	24711	687.1	2.1		0.0E+00 BE148076.1	AW 673469.1		AW 673469.1	3F507878.1	3F507876.1	0.0E+00 AU135170.1	0.0E+00 BF576138.1	3F576138.1	BE876401.1	BE876401.1	D87682.1	BF240536.1	AB037737.1	AB037737.1	11430868 NT	11430868 NT	4503544 NT		AW328173.1	0.0E+00 M55083.1	0.0E+00 AI660968.1	BF306996.1
	Most Similar (Top) Hit BLAST E Value	0.0E+00 BE206	0.0E+00	0.0E+00	0.0E+00	0.0E+00 BF083	0.0E+00 L3283	0.0E+00	0.0E+00.	0.0E+00 AW67		0.0E+00 AW67	0.0E+00 BF50	0.0E+00 BF507	0.0E+00	0.0E+00	0.0E+00 BF576	0.0E+00 BE87	0.0E+00 BE87	0.0E+00 D878	0.0E+00 BF24	0.0E+00 AB03	0.0E+00 ABOS	0.0E+00	0.0E+00	0.0E+00	0.0E+00 BF57	0.0E+00 AW32	0.0E+00	0.0E+00	0,0E+00 BF30
	Expression	263	237	8	1.73	1,08	20.	4,BI	4.61	188		8.1	484	484	4.65	207	2.07	4.06	4.06	10.1	3.87	181	1.81	3.09	3.09	6.13	206	8,53	42.5		
	ORF SEQ ID NO:	38145				L				Ì		38205		38224		38234				38240		38262	38263	38266	L					38305	
	Exan SEQ ID NO:	24479	24490	24499	L		L	L	24612	l	1	24634	l_	24549	24554	24559	24559	24581	24581	24569	L		24587	1	L	L		L	L	<u>L</u>	
	Probe SEQ ID NO:	11418	11429	11438	11445	11448	11448	11452	11452	11478		11475	11480	11490	11496	11501	138	11503	11503	11511	11518	11531	11531	11535	11535	11553	11580	41662	11567	11571	11574

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Probe SEQ 10	8	ORF SEQ ID NO:	Expression	Most Similar (Top) Hit BLAST E	Top Hit Acession No.	Top Hit Detebase	Top Hit Descriptor
ÿ	ÿ		Š	Value		Source	
11574	24629	38308	3.37	0.0E+00	BF306986.1	EST_HUMAN	601888823F1 NIH_MGC_17 Hamo saplens cDNA done IMAGE:4123948 51
11681	上		47.2	0.0E+00	BF362462.1		QVZ-NN0054-230800-333-e04 NN0054 Homo sepiens cDNA
1189	L	l	232	0.0E+00	U36264.1	LN LI	Human beta-prime-adaptin (BAW22) gene, excn 16
11601	L		232		X.1		Human beta-prime-adeptin (BAM22) gene, exon 16
11606	<u> </u>		4.33		7051.1	THUMAN	601439605F1 NIH_MGC_72 Homo septens cDNA clone INAGE:3924577 6'
11607	L		237	0.0E+00	4503786 NT	N	Homo sepiens fyn-reisied kinase (FRK) mRNA
11621	24672	38361	2.34	0.0E+00	TN 8923698		Homo sepiene golgin-like protein (GLP), mRNA
11623	L		207	0.0E+00 BF207	7662.1	EST_HUMAN	601861947F1 NIH_MGC_53 Homo sepiens cDNA clone IMAGE:4081716 5
11636		38407	4.53	0.0E+00 BE20	BE206848.1	EST HUMAN	be0407.yf NIH_MGC_7 Homo saplens cDNA done IMAGE:2823373 5' similar to TR:O78022 076022 E1Bl 55KDA-ASSOCIATED PROTEIN ;
11636	1.		4.53		BE206846.1	EST HUMAN.	ba04077,1 NIH_MGC_7 Homo septens cDNA clone IMAGE:2823373 6" similar to TR:078022 076022 E1B- 55KDA-ASSOCIATED PROTEIN.;
11638	1				0.0E+00 AW753028.1	EST_HUMAN	QV0-CT0225-101289-071-f06 CT0225 Homo saplens cDNA
44640	<u></u>	<u>L</u> .			A 4 558777 1		ni42c08.st NCI_CGAP_Pr4 Homo sapiens cDNA clone IMAGE:1043342 similar to gb:M65178 ALPHA-ACTININ 1, CYTOSKELETAL ISOFORM (HUMAN);
11644	1_	31562	256		0.0E+00 A1934954.1	Т	wp08g08.x1 NCI_CGAP_Kid12 Homo sepiens cDNA clone IMAGE:24640943'
11845	L				0.0E+00 AW3Z7895.1	Г	drozbo8x1 NIH_MGC_3 Hamo sapiens cDNA clone IMAGE:2846919 5
11664	L				AW292776.1	EST_HUMAN	UI-H-BWO-est-d-07-0-UI.s1 NCI_CGAP_Sub6 Homo saptens cDNA clane IMAGE:2728509 3'
11671	<u> </u>	37522			4758827 NT	NT	Homo sepiens neurexin III (NRXN3) mRNA
11677	24676	38367	1.35	0.0E+00 BE25	BE254058.1	EST HUMAN	601113903F1 NIH_MGC_16 Hamo sepiens cDNA clone IMAGE:3354600 5
11680		38369	1.79		BE965909.2	EST_HUMAN	601659068R1 NIH MGC_70 Hamo sepiens cDNA olone IMAGE:3896916 3
11680		38370	1.79		0.0E+00 BE985509.2	EST_HUMAN	601659088R1 NIH_MGC_70 Homo sapiens cDNA clone IMACE::3895916 3
11881	24680		3.81	0.0E+00	BE185656.1	EST_HUMAN	ILS-HT0731-020500-077-f05 HT0731 Homo septems cLNA
11682	L		1.39		0.0E+00 BF513960.1	EST_HUMAN	UI-H-BW1-emve-05-0-UI.st NCI_CGAP_Sub7 Homo sepiens CJNA clone IMACE:30/1121 3
11686	24693	38384	7.19		AL046540.1	EST HUMAN	DKFZp434G178_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKF-2p434G178 b
11696			7.19	0.0E+00 AL04	AL046540.1	EST_HUMAN	DKFZp434G178_r1 434 (synonym: htes3) Homo septens dDNA clone DKFZp434G178_b
447ne					0.0E+00 Al923116.1	EST HUMAN	wn83g03.xt NCI_CGAP_Ut1 Homo sapiens cDNA clone IMAGE:2452468 S' similar to gc:S37431 LAMININ RECEPTOR (HUMAN);
	1				, 0,000	NAL WILL TOTAL	nz11c07.s1 NC_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1287468 3' similar to TR:Q13686
11708	3 24748	38440	4.47	0.0E+00 AA/6	AA/60913.1	NAMOR TOS	ALCONOMICS OF THE CONTROL OF THE CON
11708	3 24748	38441				EST_HUMAN	OCIONE STATEMENTO CONTRACTOR SERVING CONTRACTOR SERVING SERVIN
11713	L				0.0E+00 BE910546.1	EST_HUMAN	801501080F1 NIH_MGC_70 Homo sepiens cDNA clone IMAGE:3902926 57
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Probe SEQ ID	SEON NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
11723	23909	37533	11.64	0.0E+00 BE67	BE676347.1	EST_HUMAN	727/12.x7 NCI_CGAP_CLL1 Homo saplens cDNA clone IMAGE:3295919 3' shnifar to TR:000409 000409 CHECKPOINT SUPPRESSOR 1.;
11725	23911			0.0E+00 AK8	A1683358.1	EST_HUMAN	668:09.x1 NCI_CGAP_U11 Homo septens cDNA clone IMAGE-2274621 3" straiter to gb:M55542 INTERFERON-INDUCED GUANYLATE-BINDING PROTEIN 1 (HUMAN);
11727	23013	37537	3.13	0.0E+00 BE61	BE615668.1	EST_HUMAN	601279335F1 NIH_MGC_39 Hamo saplens cDNA clone INAGE:3611144 5'
11727	23913	37538	3.13	0.0E+00 BE61	BE615668.1	EST_HUMAN	601276335F1 NIH_MGC_39 Hamo sepiens aDNA dane IMAGE:3611144 5'
11734	23920	37545			0.0E+00 AV757420.1	EST_HUMAN	AV757420 BM Hamo sapiens cDNA done BMFAGH03 5
11730	23925	37550	7.33		AL037746.1	EST HUMAN	DKFZp554C187_r1 564 (synanym: htbrz) Hamo sapiens cDNA cione DKFZp564C187 5
11740	23926	37551			0.0E+00 U62769.1	N	Human oxytochase variant 2 mRNA, complete cds
11745	23931	37557	1.33		BE883388.1	EST HUMAN	601509139F1 NIH_MGC_71 Hamo septens aDNA clane IMAGE:3910833 6
11786	24750	38454	1.75		0.0E+00 Y18800.1	NT	Human endogenous retrovirus type K (HERV-K), gag, pol and env genes
11789	24761	38455	3.69		0.0E+00 L39891.1	LN.	Homo sapiens polycystic kidney disease-associated protein (PKD1) gene, complete cds
11789	24761	38456	3.59		0.0E+00 L39891.1	NT	Homo sepiens polycystic kidney disease associated protein (PKD1) gene, complete cds
11784	24774	38470	203	L	0.0E+00 AU138211.1	EST_HUMAN	AU138211 PLACE1 Hamo sepiens aDNA dane PLACE1008077 5'
11787	24787	38485	6.43		BE622317.1	<b>EST_HUMAN</b>	601441086F1 NIH_MGC_72 Hamo sepiens cDNA clane IMAGE:3916270 51
11833	24822	38512	17.72	0.0E+00 BE7	BE748899.1	EST_HUMAN	601572186T1 NIH_MGC_55 Hamo sapiens cDNA clane IMAGE:3839012 3'
11833	24822	38513	17.72	0.0E+00 BE7	BE748899.1	<b>EST_HUMAN</b>	601572186T1 NIH_MGC_55 Hamo sapiens dDNA clane IMAGE:3839012 37
11845	24834	38527	4.58	0.0E+00 AU1	AU141882.1	EST_HUMAN	AU141882 THYRO1 Hamo sapiens aDNA clane THYRO1001398 5
11845	24834	38528	4.58	0.0E+00 AU14	AU141882-1	EST HUMAN	AU141882 THYRO1 Hamo sapiens cDNA clans THYRO1001388 5
							wzstłot x1 NCI_CGAP_Bn25 Home sepiens cDNA clone IMAGE:2566225 3' similar to WP:F53H10.2
11848	24837	38531	27		0.0E+00 AW008022.1	ESI HOMEN	CELIUM ZINC FINGEN, CATE III C.
11853	25871	38537		0.0E+00 BF00	BF002333.1	EST HUMAN	TRZZB10x1 NG_CGAP_CG18 Hamo sapiens cLNA cione invalaciós 100ew 3 similar do includados qui 3400. ;
11864	24852	<u> </u>	1.32	١.	0.0E+00 C06284.1	EST_HUMAN	C06284 Human pancreatic talet Homo sapiens cDNA similar to insulfin receptor
11868	24856		1.68		BE727811.1	<b>EST_HUMAN</b>	601564180F1 NIH_MGC_20 Hamo sepiens cDNA clane IMAGE:3833730 5
							geoerfo.x1 Soerres_NSF_FB_9W_OT_PA_P_S1 Hamo septiens dDNA dane IMAGE:21478023' similar to
11872	24860	38555	2.36	0.0E+00 AH7	AI472010.1	EST_HUMAN	gb:M31981 PROLACTIN RECEPTOR TYPE 2 PRECURSION (HUMAN);
11878	24868				0.0E+00 AW387776.1	EST_HUMAN	WR44-ST0118-281099-012-b03 ST0118 Homo septens cDNA
11878	24868				0.0E+00 AW387778.1	EST HUMAN	MR4-ST0118-261069-012-b03 ST0118 Hamo sepiens cDNA
11889	24877		1.8		0.0E+00 AW863777.1	EST_HUMAN	WR3-SN0010-310300-107-h03 SN0010 Homo sepiens cDNA
11901	24889	38589	3.67	0.0E+00	11435244 NT	TN	Homo saptens KIAA0247 gane product (KIAA0247), mRNA
11891	24889	38590		0.0E+00	11435244 NT	TN	Homo sapiens KIAA0247 gene product (KIAA0247), mRNA
11907	24894			'	0.0E+00 U36253.1	F	Humen beta-prime edeptin (BAMZ2) gane, extn 6
11911	24898	00986	26.74	0.0E+00 BE3	BE379254.1	EST HUMAN	601237691F1 NIH_MGC_44 Hamo sapiens cDNA clone IMAGE:3609623 5
							•

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Cilibration Lybrosoca III I land the	Most Similar  Expression (Top) Hit Top Hit Aceasion Detablese Signal Value	26.74 0.0E+00 BE379254.1 EST_HUMAN	4.87 0.0E+00 AW500056.1  EST_HUMAN	2.05 0.0E+00 BE794758.1 EST_HUMAN	65.18 0.0E+00 BE879633.1  EST_HUMAN	1.6 0.0E+00 M60676.1 NT	1.38 0.0E+00 4758827 NT	1.38 0.0E+00 4758827 NT	1.68 0.0E+00 AF053543.1  NT	7.29 0.0E+00 BE409983.1 EST_HUMAN	2.22 0.0E+00 BE148650.1   EST_HUMAN	Homo sapiens calcium channel alpha1E subunit (CACNA1E) gene, exxis 7-49, and partial cds, attenuatively spliced		2.89 0.0E+00 AF223391.1 NT	1.48 0.0E+00 D26535.1  NT	1.48 0.0E+00 D28635.1  NT	11.38 0.0E+00 BF681641.1 EST_HUMAN	11.38 0.0E+00 BF881641.1 EST_HUMAN	1.79 0.0E+00 AU132940.1 EST_HUMAN	4.99 0.0E+00 BE9033721 EST_HUMAN	1.56 0.0E+00 BF312662.1  EST_HUMAN	1.58 0.0E+00 BF312552.1 [EST_HUMAN	3.4 0.0E+00 X51755.1  NT	3.4 0.0E+00 X51755.1 NT	0.0E+00 BE906402.1  EST_HUMAN	1.46 0.0E+00 9635487 NT	0.0E+00 BF309120.1   EST_HUMAN	2.37 0.0E+00 BE698861.1 EST_HUMAN	2.37 0.0E+00 BEG98861.1 EST_HUMAN	60.96 0.0E+00 BE297175.1 [EST_HUMAN	1.42 0.0E+00 BE744311.1 [EST_HUMAN	1,42 0.0E+00 BE744311.1 EST_HUMAN	2.02 0.0E+00 BE257612.1  EST_HUMAN	86
•	Most Similar (Top) Hit BLAST E Value	0.0E+00 BE3	0.0E+00 AW	0.0E+00 BE7	0.0E+00 BE8	0.0E+00 M80			0.0E+00 AF0	0.0E+00 BE4	0.0E+00 BE1			0.0E+00 AF2	0.0E+00 D26	0.0E+00 D28	0.0E+00 BF6	0.0E+00 BFB	0.0E+00 AU1	0.0E+00 BEG	0.0E+00 BF3	6.0E+00 BF3	0.0E+00 X51	0.0E+00 X51	0.0E+00 BE9		0.0E+00 BF3	0.0E+00 BE	0.0E+00 BEG	0.0E+00 BE2	0.0E+00 BE7	0.0E+00 BE7	0.0E+00 BE2	CACACIOCACO COC
	Exam ORF SEQ SEQ ID NO:	24898 38801	24903 38606	24918 38621				24827 38630	24932 38635	24839 38642	24940 38643	24941 38844		24941 38845	18785 31831	18785 31832	24943 38647			_	24968 38671	24968 38672	24971 38675	24971 38876	24883	24997 38700	25872	25012 38713	25012 38714	25015 38717	25027 38733	25027 38734	25035 38741	01000
	Probe ESEQ ID SE	11911	11917		11634	Ŀ	L.		11946	11963	11854	11950	L	11955	11956	11956	L	<u> </u>	11964	L	11983	11983		L			12028	L		12032			L	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

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Top Hit Descriptor	601070391F1 NIH_MGC_12 Homo sepiens dDNA dane IMAGE:3456407 5	293601.11 Scares_bests_NHT Homb capiens cDNA clone INAGE:729912 5' similar to SW:PMT1_SCHPO P40999 DNA METHYLTRANSFERASE PMT1;	AU117974 HEMBA1 Homo septens cDNA clone HEMBA1002612 5	Г		2046h03.x1 Soares_NTL_T_GBC_S1 Homo sepiens cDNA done IMAGE:2816213.3' strniter to gbxL11709_cds1 HORMONE SENSITIVE LIPASE (HUNAN);	Г	601105652F1 NIH_MGC_15 Hamo saplens dDNA dane IMAGE:2988325 5		Hamo sapiens chromosome 21 segment HS21C046		Hamo sapiens gene for AF-8, complete ads	Homo sapiens chranosame 21 segment HS210046	Homo eapiens ELK1 pseudogene (ELK2) and immunoglobulin heavy chain gamma pseudogene (IGHGP)	Homo saplens calcineurin binding protein 1 (KIAA0330), mRNA	Homo saplens antioxidant protein 1 (AOP1), nuclear gene encoding mitochondrial protein, mRNA	Homo septems grubshions S-transferase theta 2 (GSTT2) and glubshione S-transferase theta 1 (GSTT1) corners. complete cds	Т	Т	DKFZp434G218_r1 434 (synarym: https3) Hamo sapiens cDNA dane DKFZp434G218 6		ywtoe08.s1 Soares fetal liver spleen 1NFLS Homo septens cDNA ctone IMAGE:245222.3' similar to success. PACARA PARAMETER DO NOBOTERN.	Т	THIN Departs aren incourage years, writhout the	Homo sapiens I -cell lymphoma invesion and medicasis 1 ( I IVWI) mixina	Home sepiens T-cell lymphoma investon and metastasis 1 (TIAM1) mRNA	Homo sepiens nucleer factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 (NFATC2), mRNA	Homo saplens X-linked arthidrollic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat regions
Top Hit Database Source	<b>EST_HUMAN</b>	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	TN	EST_HUMAN	TN	TN	IN	IN	TN.	Ę	EST HUMAN	LN TA	EST_HUMAN	<b>EST_HUMAN</b>	1100	ESI HUMAN	Ē	Z	Į.	Į,	ΙV
Top Hit Acession No.	BE545535.1	AA399001.1		AU117974.1	0.0E+00 BE780463.1	0.0E+00 AW269890.1	0.0E+00 AU132394.1	0.0E+00 BE292840.1	BE312542.1	0.0E+00 AL163246.2	993.1	1399.1	0.0E+00 AL163246.2	6	11417862 NT	TN 5502073 NT	<b>AF240788</b> 4	AL041931.1	11418318 NT	ALD48544.1	A1903497.1		0.0E+00 N34484.1	0.0E+00 At-100000.1	4507500 NT	4607600 NT	10092587 NT	0.0E+00 AF003528.1
Most Strafar (Top) Hit BLAST E Value	0.0E+00 BES4	0.0E+00 AA36		0.0E+00 AU1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 BE31	0.0E+00	0.0E+00 AI19C	0.0E+00 ABO	0.0E+00	0.0E+00 ABO1	0.0E+00	0.0E+00	0.05+00.0	0.0E+00.ALD4	0.0E+00	0.0E+00 ALD4	0.0E+00 AISO		0.0E+00	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	2.85	134	28.	1.55	1.72	2.15	1,00	1.35	9.34	3,02	5.40	3.73	6.87	1.35	3.2	4.95	4.47	3.47	3.30	4.77	282		1,00	80.4	5.36	6.38	3.07	4.88
ORF SEQ ID NO:	38770																24787							1	27106			
Exan SEQ ID NO:	26084	L	L	25068	L		ı	l.	28185	26005	28013	25134	25149	25151	25156	26170	25072		1	25222	28017	Ĺ	$\perp$	_		14042	26021	13754
Probe SEQ ID NO:	12084	12087	12088	12088	12091	12108	12118	12131	12147	12160	12162	12172	12182	12194	12201	12220	42054	12267	12295	12304	12317		BCSZI.	123/1	12374	12374	12383	12415

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			10000		_	
SEO IO NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Databasse Source	Top Hit Descriptor
12450 25781	31937	3.95	0.0E+00	11430460 NT	TN	Homo septens low density lipoprotein-related protein 2 (LRP2), mRNA
L		<u>1</u>	0.0E+00 AW	30082.1	EST_HUMAN	hg31e06.x1 NCI_CGAP_GC8 Homo sapiens cDNA clone INAGE:2847234 3' shnilar to contains Alu repetitive element, contains element MER22 repetitive element;
		1.34	0.0E+00 L20	193.1	NT	Human gamma-glutamyi transpopitidase mRNA, complete cds
12573 26015		273	0.0E+00 AF0	38757.1	NT	Homo sepiens sometostatin receptor subtype 3 (SSTR3) gene, 5 fianking region and partial cds
12618 25416	(	4.61		9635487	M	Human endogencus retrovirus, complete genome
3 25429		1.19		20678.1	EST_HUMAN	AV720878 GLC Hamo septens dDNA dane GLCEP G09 5
		3.51	0.0E+00 A120	4914.1	EST_HUMAN	an05h04.x1 Strategene schizo brain S11 Homo sepiens cDNA clone IMAGE:1684759 3'
12694 25462		1.33	0.0E+00 A190	4646.1	EST_HUMAN	QV-BT065-020399-103 BT065 Homo sepiens cDNA
2 28008		2.29	≯∃8 00+30'0	39792.1	EST_HUMAN	HTM1-864F HTM1 Hamo sapiers cDNA
L				6912457 NT	NT	Homo sepiens calcineum binding protein 1 (KIAA0330), mRNA
12714 15187		1.30	0.0E+00	W 2457 NT	F	Homo sepiens calcineum binding protein 1 (KIAA0330), mRNA
12739 25490		1.21	0.0E+00 AFC	36365.1	K	Homo sapiens caveolin-3 (CAV3) mRNA, complete cds
<u> </u>			0.0E+00 H30	32.1	EST HUMAN	y659608.r1 Soares breast 3NbHBst Homo sapiens cDNA done IMAGE:182246 & shriller to gb:M64099 GAMMA-GLUTANYLTRANSPEPTIDASE 5 PRECURSOR (HUMAN);
<u> </u>		3.26		132.1	EST HUMAN	y68e08.11 Socres breast 3NbHBst Homo sepiens cDNA done IMAGE:182246 5' similer to gb:M64089 GAMMA-GLUTAMYLTRANSPEPTIDASE 5 PRECURSOR (HUMAN);
丄	27031	1.6		11399.1	N	Hamo sapiens gene for AF-8, complete cds
		33.13		859.1	F	Human gamma-cytoplasmic actin (ACTGP9) psaudogene
<u> </u>	31997	5.44	0.0E+00	11418189 NT	TN	Homo sapiens thyroid autoantigen 70kD (Ku antigen) (G22P1), mRNA
		5.44	0.0E+00	11418189 NT	TN	Homo sepiens thyroid autoentigen 70kD (Ku antigen) (G22P1), mRNA
12778 25518		7.88		0.0E+00 AB026898.1 :	TN	Homo septens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)
L	28420		0.0E+00	4758489 NT	¥	Harno sapiens GTP binding protein 1 (GTPBP1) mRNA
12837 25557	L	211	0.0E+00	0.0E+00 AW684999.1	EST_HUMAN	hB6a06.x1 Scares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2979154 3'
1	31988	1.43		11430460 NT	4	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA
١.	27471	1.74	0.0E+00	8922593 NT	NT	Homo sapiens hypothetical protein FLJ10697 (FLJ10697), mRNA
12927 16658	l	3.11	0.0E+00	. 4885312 NT	Ę	Homo sapiens G protein-coupled receptor 24 (GPR24), mRNA
Ĺ		23	0.0E+00	TN 8169089	NT.	Homo sepiens low density lipoprotein-related protein 2 (LRP2), mRNA
12838 25817		1.88	0.0E+00 ABO	29900.1	NT	Homo capiens CST gene for cerebroside culfotransferase, exon 1, 2, 3, 4, 5
12981 25639	31983	1.82		8538724 NT	L	Homo septens cleavage and polyedenylation specific feator 1, 160kD subunit (CPSF1), mRNA
13010 26197	7	2.83		3246.2	F	Homo sepiens chromosome 21 segment HS21C046
	3 26851			6806918 NT	Ę	Homo sepiens low density lipoprotein-related protein 2 (LRP2), mRNA
13113 25726		1.17	0.0E+00	11417882 NT	Ę	Homo sapiens calcineutin binding protein 1 (KIAA0330), mRNA

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•			RCTL4 genes,		95				
Top Hit Descriptor	Hamo septens DNA for Human P2XM, complete cds	Homo sepiens DKFZp434P211 protein (DKFZP434P211), mRNA	Homo sepiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes,	complete cds)	UI-HF-BND-alyg-08-0-UI.r1 NIH_MGC_50 Hamo sapiens cDNA dane IMAGE:3081399 5	Human endogenous retrovirus pHE.1 (ERV9)	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sepiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens chromosome 12 open reading frame 3 (C12ORF3), mRNA
Top Hit Database Source	N	¥		¥	EST_HUMAN	N F	NT	NT	TN
Top Hit Acession . No.	259.1	7657020 NT		998.1	5176.1	X57147.1	6806918 NT	6806918 NT	9986844 NT
Most Similar (Top) Hit BLAST E Value	0.0E+00 AB002	0.0E+00		0.0E+00 AB026		0.0E+00 X5714	0.0E+00	0.0E+00	0.0E+00
Expression Signal	1.4	3.11		5.96	1.16	1.51	1.37	1.37	1.28
ORF SEQ ID NO:							29151	29152	27402
SEO ID	25728	25731		25740	26207	25774	16135	16135	14345
Probe SEQ ID NO:	13116	13119		13140	13161	13190	13209	13209	13215

CLAIMS

A spatially-addressable set of single exon nucleic acid probes for measuring gene expression in a sample derived
 from human placenta comprising a plurality single exon nucleic probes, said probes comprising any one of the nucleotide sequences set out in SEQ ID NOs: 1 - 13,232 or a complementary sequence, or a portion of such a sequence.

- 10 2. A spatially-addressable set of single exon nucleic acid probes as claimed in claim 1 wherein each of said plurality of probes is separately and addressably amplifiable.
- 3. A spatially-addressable set of single exon nucleic acid 15 probes as claimed in claim 1 wherein each of said plurality of probes is separately and addressably isolatable from said plurality.
- 4. A spatially-addressable set of single exon nucleic acid 20 probes as claimed in any of claims 1 to 3 wherein said probes comprise any one of the nucleotide sequences set out in SEQ ID NOS.: 13,233 - 26,232.
- 5. A spatially-addressable set of single exon nucleic acid 25 probes as claimed in any of claims 1 to 4, wherein each of said plurality of probes is amplifiable using at least one common primer.
- 6. A spatially-addressable set of single exon nucleic acid probes as claimed in any of claims 1 to 5 wherein the set comprises between 50 20,000 single exon nucleic acid probes.
- 7. A spatially-addressable set of single exon nucleic acid probes as claimed in any of claims 1 to 6, wherein the

average length of the single exon nucleic acid probes is between 200 and 500 bp.

- 8. A spatially-addressable set of single exon nucleic acid 5 probes as claimed in any of claims 1 to 7, wherein at least 50% of said single exon nucleic acid probes lack prokaryotic and bacteriophage vector sequence.
- 9. A spatially-addressable set of single exon nucleic acid 10 probes as claimed in any of claims 1 to 8, wherein at least 50% of said single exon nucleic acid probes lack homopolymeric stretches of A or T.
- 10. A spatially-addressable set of single exon nucleic acid 15 probes as claimed in any of claims 1 - 9 characterised in that said set of probes is addressably disposed upon a substrate.
- 11. A spatially-addressable set of single exon nucleic acid 20 probes as claimed in claim 10 wherein said substrate is selected from glass, amorphous silicon, crystalline silicon and plastic.
- 12. A microarray comprising a spatially addressable set of single exon nucleic acid probes as claimed in any of claims 1 11.
- 13. A single exon nucleic acid probe for measuring human gene expression in a sample derived from human placenta comprising a nucleotide sequence as set out in any of SEQ ID NOs.: 1 13,232 or a complementary sequence or a fragment thereof wherein said probe hybridizes at high stringency to a nucleic acid molecule expressed in the human placenta.

14. A single exon nucleic acid probe as claimed in claim 13 comprising a nucleotide sequence as set out in any of SEQ ID NOs.: 13,233 - 26,232 or a complementary sequence or a fragment thereof.

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- 15. A single exon nucleic acid probe for measuring human gene expression in a sample derived from human placenta which is a nucleic acid molecule having a sequence encoding a peptide comprising a peptide sequence as set out in any of SEQ ID NOs.: 26,233 38,837, or a complementary sequence or a fragment thereof wherein said probe hybridizes at high stringency to a nucleic acid expressed in the human placenta.
- 15 16. A single exon nucleic acid probe as claimed in any one of claims 13 to 15 wherein said single exon nucleic acid probe comprises between 15 and 25 contiguous nucleotides of said SEQ ID NO.
- 20 17. A single exon nucleic acid probe as claimed in any one of claims 13 to 15, wherein said probe is between 3 25 kb in length.
- 18. A single exon nucleic acid probe as claimed in any one of claims 13 17, wherein said probe is DNA, RNA or PNA.
  - 19. A single exon nucleic acid probe as claimed in any one of claims 13 18, wherein said probe is detectably labeled.

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- 20. A single exon nucleic acid probe as claimed in any one of claims 13 19, wherein said probe lacks prokaryotic and bacteriophage vector sequence.
- 35 21. A single exon nucleic acid probe as claimed in any one

of claims 13 - 20, wherein said probe lacks homopolymeric stretches of A or T.

22. A method of measuring gene expression in a sample derived from human placenta, comprising:

contacting the microarray of claim 12, with a first collection of detectably labeled nucleic acids, said first collection of nucleic acids derived from mRNA of human placenta; and then

measuring the label detectably bound to each probe of said microarray.

23. A method of identifying exons in a eukaryotic genome, comprising:

algorithmically predicting at least one exon from genomic sequence of said eukaryote; and then detecting specific hybridization of detectably labeled nucleic acids to a single exon probe,

wherein said detectably labeled nucleic acids are derived
from mRNA from the placenta of said eukaryote, said probe
is a single exon probe having a fragment identical in
sequence to, or complementary in sequence to, said
predicted exon, said probe is included within a microarray
according to claim 12, and said fragment is selectively
hybridizable at high stringency.

24. A method of assigning exons to a single gene, comprising:

identifying a plurality of exons from genomic sequence according to the method of claim 23; and then

measuring the expression of each of said exons in a plurality of tissues and/or cell types using hybridization to single exon microarrays having a probe with said exon,

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wherein a common pattern of expression of said exons in said plurality of tissues and/or cell types indicates that the exons should be assigned to a single gene.

- 5 25. A nucleic acid sequence as set out in any of SEQ ID NOs: 1 26,232 which encodes a peptide.
  - 26. A peptide encoded by a sequence as set out in any of SEQ ID Nos: 1 26,232.

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27. A peptide comprising a sequence as set out in any of SEQ ID Nos: 26,233 - 38,837.

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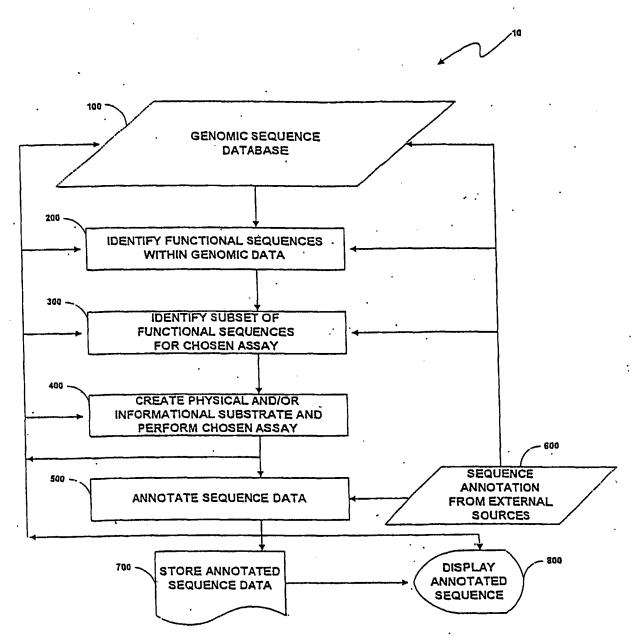


Fig. 1

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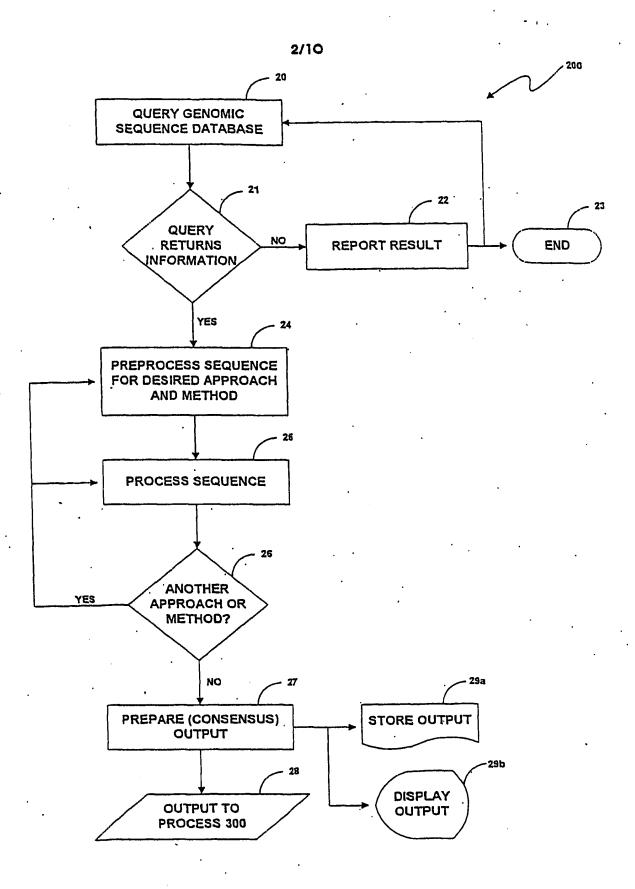


Fig. 2

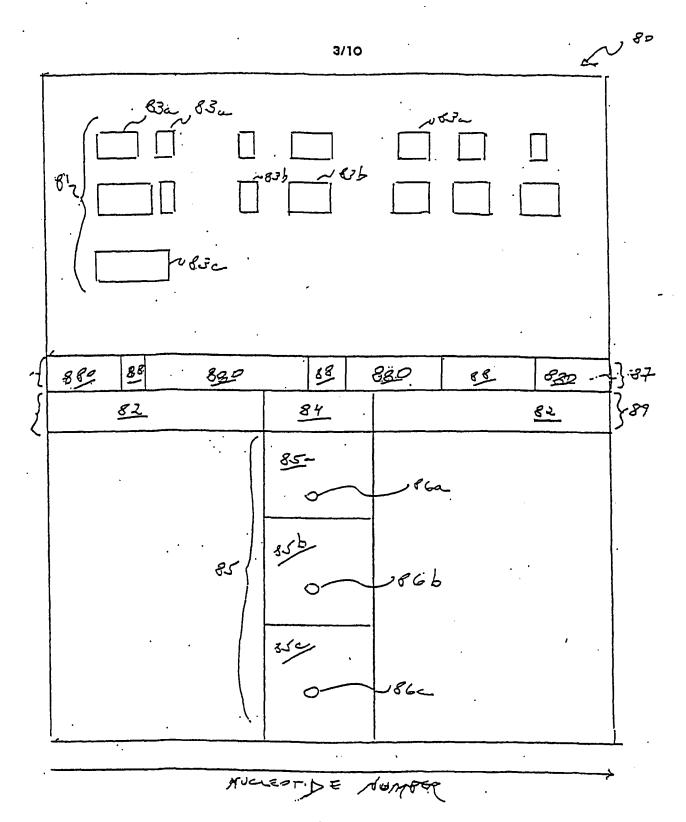


Fig. 3

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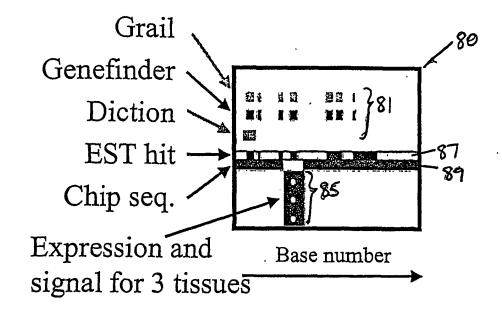


Fig. 4

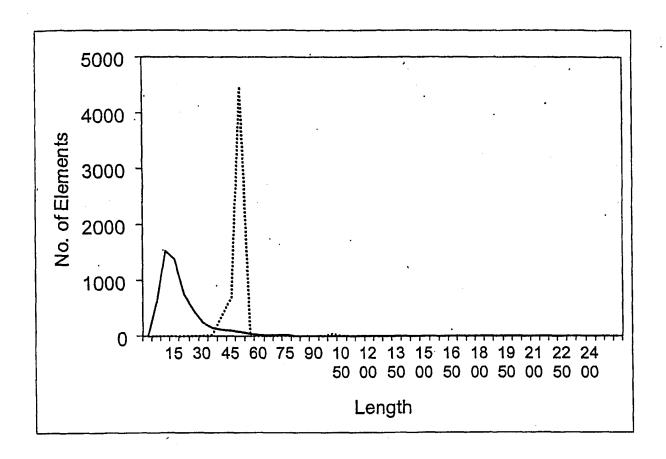


Fig. 5

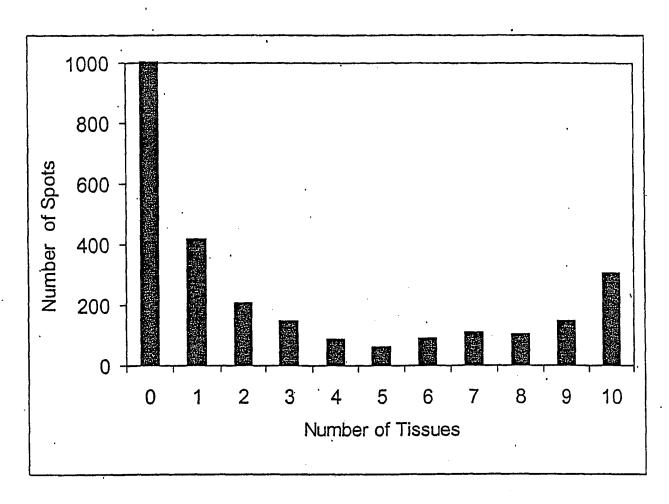
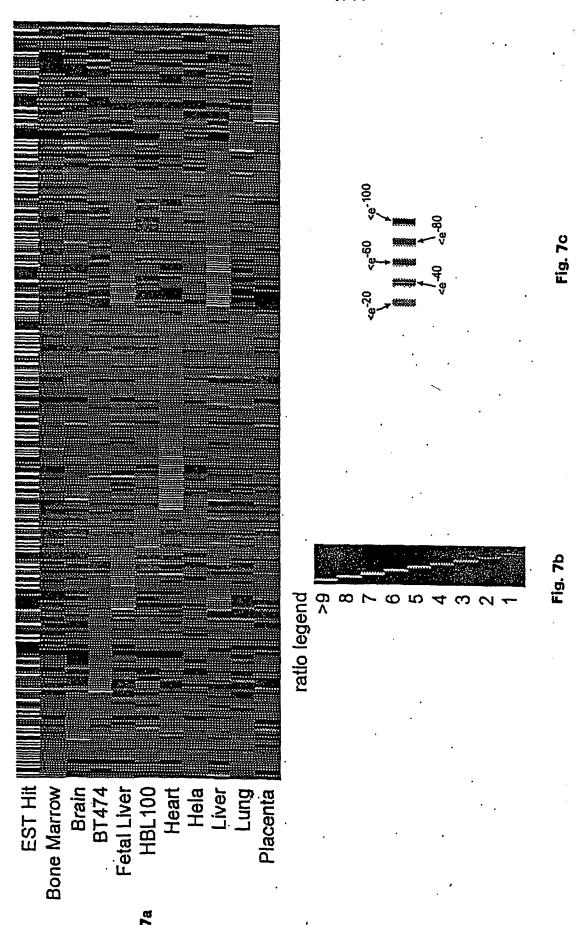


Fig. 6



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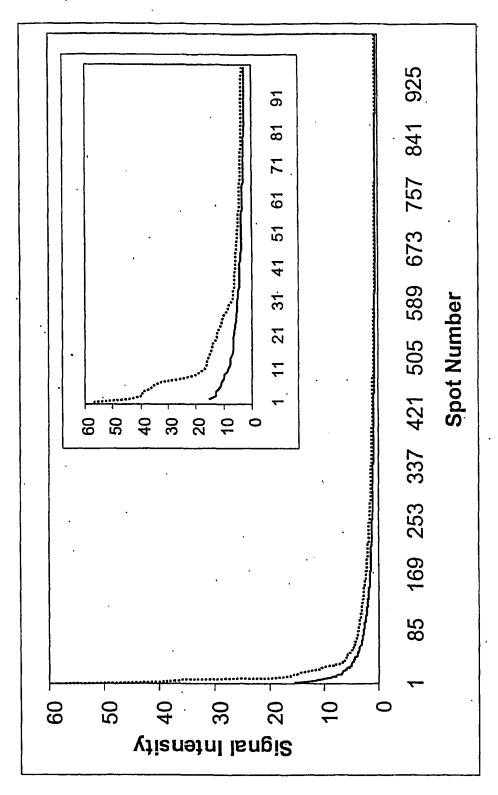
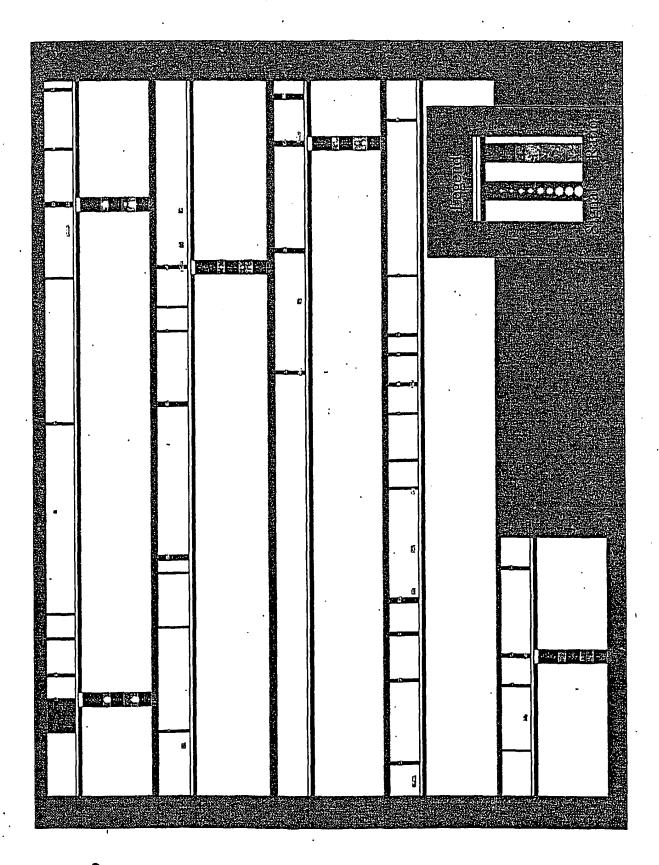


Fig. 8



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Fig. 10

